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The



CHEMIST AND DRUGGIST

for RETAILER - WHOLESALE - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

3505
L. CXLVII

APRIL 26, 1947

Annual Subscription (with
Diary) 30/-. Single copies 1/-.



Action...where action counts

'MERTHIOLATE' Brand Sodium Ethyl Mercuri Thiosalicylate exerts its germicidal action without interfering with the normal defences of the body. 'Merthiolate' produces dependable asepsis and is noted for its general clinical applicability. It has measured up to the most critical requirements of the medical profession, and is an antiseptic of choice among many discerning physicians and surgeons.

Among the preparations of

'MERTHIOLATE'

now used extensively is the tincture. Tincture 'Merthiolate' is an alcohol - acetone - aqueous solution of 'Merthiolate,' 1:1,000.

Supplied in 4 oz., 16 oz., and 128 oz. bottles.

Lilly
TRADE MARK

ELI LILLY AND COMPANY LIMITED
Basingstoke and London



The active principle in Wright's Coal Tar Soap

Wright's full, rich lather contains an antiseptic which leaves the skin fresh, soothed and health-protected. This safeguard is Liquor Carbonis Detergens—a distinctive preparation acknowledged by eminent dermatologists as the foremost antiseptic, antipruritic for skin diseases. The incomparable antiseptic efficiency and the fine clear appearance of Wright's Liquor Carbonis Detergens today are the result of unremitting research and continually improving methods of manufacture.

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COAL TAR SOAP



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HIGH GERMICIDAL EFFICIENCY

READY AVAILABILITY

LOW COST

CRESANTOL-15

THE GERMICIDE FOR MODERN ANTISEPTIC FLUIDS

The high germicidal efficiency of Cresantol-15 — its R.W. coefficient is 65 when suitably formulated — is not

by any means the only advantage this Monsanto germicide offers in the manufacture of modern antiseptic fluids.

In these days of shortages, the ready availability of Cresantol-15 is of major importance. And, when you add *low-cost* to both these advantages, Cresantol-15 is well worthy of consideration if you are contemplating the manufacture of an efficient antiseptic fluid. . . . Monsanto Chemicals Limited, Victoria Station House, London, S.W.1.

For full general, technical and application data on Cresantol-15 write for Technical Service Bulletin No. 2B.



Jumble or Judgement

The front page of any popular newspaper can teach us all a thing or two about display. The newspaper doesn't award equal display value to everything. It selects—gives real prominence only to the important items.

A very good customer of ours with a magnificent pharmacy on a main thoroughfare paying a high rental kept in a centre Simpson Foot Ointment display (only 2½ feet wide) for 17 weeks and did such an amazing turn-over that our Managing Director went to see him to find out how he did it. "I don't do anything specially" said the chemist "except keep the display in. But I know of course, exactly what my window sells. You see I pay here 33/8 per foot of window frontage all-in per week and I keep a card index of the gross yield per foot of space each display brings. Simpson's Foot Ointment, with the terms you give, is the 2nd

most profitable line I have so naturally it is one of the most prominent items in my window."

That's realism. And realism pays in business. What's the alternative? You can crowd the window with everything and get a jumble—a confusing array of distracting products many of which pay only 18% to 30% and are not C.F. !

No, a jumble isn't an eye catcher. It doesn't make people stop. It doesn't bring people in. In short, it doesn't represent a realistic, scientific use of window space. Try a really bold display of Simpson's Foot Ointment. You'll be on a pretty good wicket. From a recent independent large scale market research, Simpson's Foot Ointment topped the list as the largest selling of *all* foot preparations. And, you get just over 40% on best bonus terms. Simpson's is C.F. anyway.

EVANS

PROTEOLYSED LIVER PREPARATIONS

Developed in the Research Departments of
The Evans Biological Institute.

HEPAMINO—A proteolysed whole liver preparation in granular form for oral use. Indicated in macrocytic anæmia, especially in those cases refractory to parenteral treatment. Of particular value in the food deficiency debilities and hypoproteinæmia where it is necessary to maintain the nitrogen balance by the administration of essential amino acids, and vitamins.

HEPATEX ORAL—A liquid proteolysed extract of liver for oral use. For the treatment of nutritional macrocytic anæmia, refractory anæmia, and the anæmia of pregnancy.

NEO-HEPATEX—A fractionated extract of proteolysed liver for the parenteral treatment of Addisonian Pernicious Anæmia.

HEPATEX-T—A 'crude' extract of proteolysed liver for the parenteral treatment of the nutritional macrocytic anæmias.

Further details sent on request

Made in England by

EVANS MEDICAL SUPPLIES LTD
Liverpool and London

Overseas companies and branches:

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EL 89

FINE CHEMICALS • BIOLOGICALS • PHARMACEUTICALS

KERFOOTS PENICILLIN LOZENGES B.P.

20's 10/- doz.

50's 17/6 doz.

500's 9/- each

THOMAS KERFOOT & CO.
LIMITED,
VALE OF BARDSLEY, LANCASHIRE



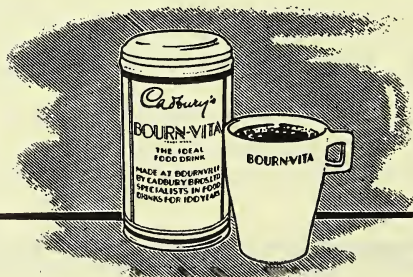
These Lozenges are designed to dissolve very slowly in the mouth. If taken according to directions a single lozenge will last from 25 to 30 minutes or more, thus exposing the mouth and throat to the action of the drug for a longer time than is possible by any other simple means

PENICILLIN LOZENGES (Kerfoot) are manufactured and packed under strict aseptic conditions.

KG40

Cadbury's BOURN-VITA

SUPPLIES MAY BE OBTAINED
THROUGH YOUR WHOLESALE DRUGGIST



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D.D.T.

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DUSTING POWDER SPRAY POWDER LIQUID SPRAY

All supplied at keenly competitive prices; expert technical advice provided if required.

Available at varying strengths. In packs for retail sale and in bulk containers. Promptest possible delivery.

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OF YOUR BUSINESS



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Moorlands is one of the good old 'household names' on which people have learned to rely. This great public following has been built up over the years by a sound efficacious product helped by consistent advertising and the favour of the trade. Keep Moorlands in the forefront of your window and be sure of regular custom for this reputable line.

W. B. CARTWRIGHT LTD., RAWDON, LEEDS

**RENDELLS
SANTRON**

**TRUSTED
PRODUCTS YOUR
CUSTOMERS
LIKE TO SEE**

**MENSINOLE
SILATEX**

WE SELL

Rendell's

PRODUCTS

"FOR FEMINE HYGIENE"

ASK FOR BOOKLET

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Non-Poisonous
Antiseptic
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MENSINOLE
For every woman needs
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Pharmaceutical products known throughout the world for their High Quality—the result of long experience, specialization, and the selection of none but the finest materials for their manufacture

Send us your enquiries for PILLS and TABLETS, SOLVELLÆ,
PHARMACEUTICALS, PACKED SPECIALITIES and
'OWN NAME' FORMULÆ

ARTHUR H. COX & CO. LTD.

BRIGHTON, 7

The New  Barrier Cream!

dermoclean

"NO MORE DIRTY HANDS"

Contains 0.2% *p*-chloro-*m*-cresol—
a powerful antiseptic and germicide

Applied to the hands, the imperceptible coating effectively prevents dirt from penetrating the pores. When hands are washed, the skin is clean and smooth.

A display on the counter appeals to a wide range of customers, such as the MOTORIST, GARDENER, HANDYMAN & HOUSEWIFE

Retail Price: 2/- per pot, including Purchase Tax.

TRADE PRICE: 13/6 per doz., plus 33½% Purchase Tax.

C.A. 131a 12 doz.—12/- per doz., plus 33½% Purchase Tax.



(Showcard Available)

CLAY & ABRAHAM LTD., Manufacturing Chemists, LIVERPOOL, 1

‘NESTROVITE’

Multi-Vitamin Preparations

Change in Distributors

From 1st May 1947, the distribution of ‘Nestrovite’ Emulsion and Tablets in Great Britain, hitherto under the care of our friends Roche Products Limited, will be carried out solely by us. There is no alteration in prices or formulæ and the present trading policy will be maintained. All orders and correspondence should now be sent to the address below.

NESTLÉ'S MILK PRODUCTS LIMITED

Medical, Chemists and Welfare Department

6 and 8 EASTCHEAP, LONDON, E.C.3.

Telephone
Mansion House
3480

Telegrams
Nestmilk, Bilgate,
London

CRILLS (POLYOL - ESTERS)

NON-IONIC SURFACE ACTIVE AGENTS



OLYMPIA &
EARLS COURT
LONDON
5-16 MAY

SEE OUR EXHIBIT

Many industrial processes hitherto regarded as impossible are now commercial actualities through the use of Surface Active Agents, of which Crills are an outstanding example. Crills range from Water-in-oil to Oil-in-water Emulsifiers and include Detergents, Solubilizers and Wetting Agents, which are assisting new and increased production in many spheres. Space prohibits fuller details, but samples and technical literature are available to enquirers.

EXPORT. Crills can only be supplied to firms in the U.K. for use in products intended solely for export. The procedure is quite simple, and details will be sent to all firms able to give this undertaking.

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DEPOTS THROUGHOUT THE UNION

Laboratories in the same organisation are also available
for Manufacturers of Pharmaceutical Proprietaries

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A Great Summer Line

Meritor

D.D.T. ANTI-MOTH RINGS




- A NATIONALLY ADVERTISED LINE
- PACKETS OF 7 GIANT RINGS IN WHITE, YELLOW and MAUVE
- DISPLAY CARTONS OF 1 DOZEN
- STRIKING WINDOW STRIP
- BIG PROFIT MARGIN
- LIBERAL QUANTITY DISCOUNTS

Meritor Anti-moth advertising commences in March and will continue throughout the summer in the following National Newspapers and Periodicals. The Daily Mail, Daily Express, Daily Herald, Daily Mirror, Daily Graphic, Sunday Express, Sunday Pictorial, Sunday Graphic, Illustrated, Picture Post, Housewife, Wife and Home and Woman's Journal

PRICE: 5/4 per Carton of 1 Doz. Pkts. Retail 8d. Pkt.

(Quantity discounts on application)

S. MAW, SON & SONS LTD., BARNET, HERTS



for
Rheumatic Pains

Ki-uma
Ointment

Patented

Patent

Ki-uma Ointment
for the relief of
RHEUMATIC CONDITIONS
STIFF & SWOLLEN JOINTS
BRUISES, STIFF NECK, Etc.

Pack	Retail in P.T.	Trade doz	PurTax doz
Tins	3/4½	27/-	4/6
1 lb. Cartons	22/6	180/-	30/-

From your C. F. Wholesale,
saler, or in case of
difficulty, from the
manufacturers

**WESTMINSTER
LABORATORIES LTD.**
Chalcot Rd., London, N.W.1
Telephone : PRImrose 3395/6/7

**300 TIMES STRONGER
THAN MOTH BALLS . . .**
and FAR MORE profitable

ERA MOTH CARTRIDGES

- Strong Demand
- Heavy Advertising
- Ample Supplies

1/- packages of 4 . . . 8/- per doz. or singly
in boxes of 24 at 24/- per gross. From your
Wholesalers or direct from Makers:

KAY BROTHERS LTD.
Kayborough, Reddish, Stockport



**ERA MOTH
CARTRIDGE**

A New Discovery

300 times stronger than moth balls

Kills Moths, Beetles, Fleas, Lice, etc.

Saves PIANO Dampers from Moth

Four for 1/- or 3 each

Keeps air fresh in Lavatories

Originated & Made by KAY BROTHERS LTD STOCKPORT

Serving the Industry



**TABLETS
PILLS
GALENICALS**

● Our long experience as specialists has won a reputation for our extensive range of products in all branches of the industry.

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1860

THE CHEMISTS' PRINTERS

FOR OVER SIXTY YEARS

**THOMAS WAIDE & SONS, LTD.
KIRKSTALL HILL
LEEDS**



STILL THE FAVOURITE

CARNATION CORN CAPS, C.F. since the inception of the scheme, continue to make new friends at the old profits.

In regular supply, only direct from
CUXSON, GERRARD & CO. LTD., OLDBURY, BIRMINGHAM.

WALLS THAT KILL FLIES

—that's what you offer your customers by selling them Cooper's Flyspray. It's the theme of a National Press campaign too, from April to September, telling how ONE light application of Cooper's Flyspray to walls and other flies' playgrounds turns them for weeks into an ever-set fly trap.

CHOOSE COOPER'S FLYSPRAY

Because it's *scientifically* formulated to give quick knock-down, positive kill, AND long-lasting residual action. The ample D.D.T. content makes sprayed surfaces deadly to flies for 4 to 6 weeks.

CHOOSE COOPER PRODUCTS

Because for over 100 years Cooper's have been manufacturing insecticides to the highest scientific standard. All other Cooper Anti-pest Products (also mentioned in Press advertisements) are as effective as Cooper's Flyspray.

Limited quantities of display material available to Cooper stockists. Write for 1947 Trade List and order early from your wholesaler or direct. Cooper's Flyspray — Household Insecticide — Moth Spray and Moth Powder — Bin Powder — Pulvex.



COOPER'S
ANTI-PEST PRODUCTS

Cooper, McDougall & Robertson, Ltd., Berkhamsted, Herts.

DON BRYAN LTD.

Wholesale Chemists & Druggists
176/177 HIGH STREET, SWANSEA
Serving
SOUTH, WEST, and MID-WALES
Supplying
CHEMISTS ONLY

GROUND

DRIED YEAST

MIDGLEY & PARKINSON, LTD.
WARREN WORKS, PUDSEY, LEEDS

**DR. NIBLETT'S
VITAL RENEWER
NERVE SEDATIVE**

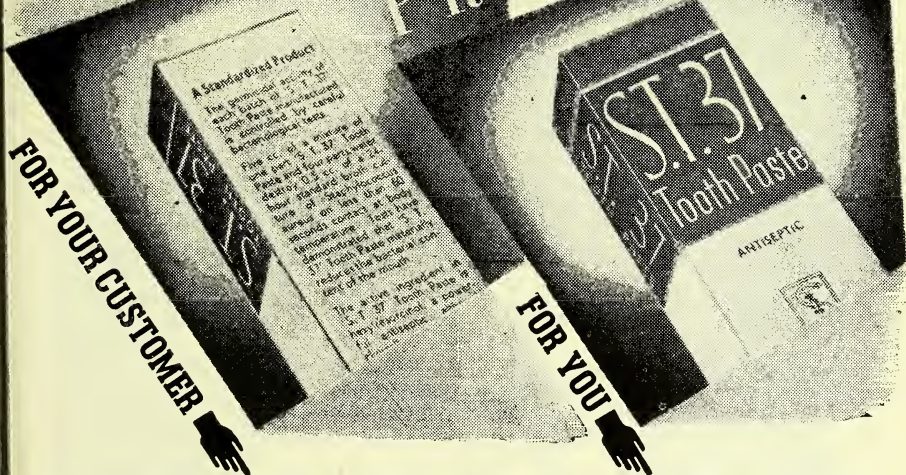
TRADE TERMS—33½% to Chemists or through your Wholesaler.

Retail Price 5/- per bottle, including tax.

Prepared by **C. P. NIBLETT** Est. 1870
10, Lichfield Terrace

RICHMOND, SURREY. Phone : RIC 3221

DOUBLE PROTECTION



A STANDARDISED PRODUCT

A CF PRODUCT

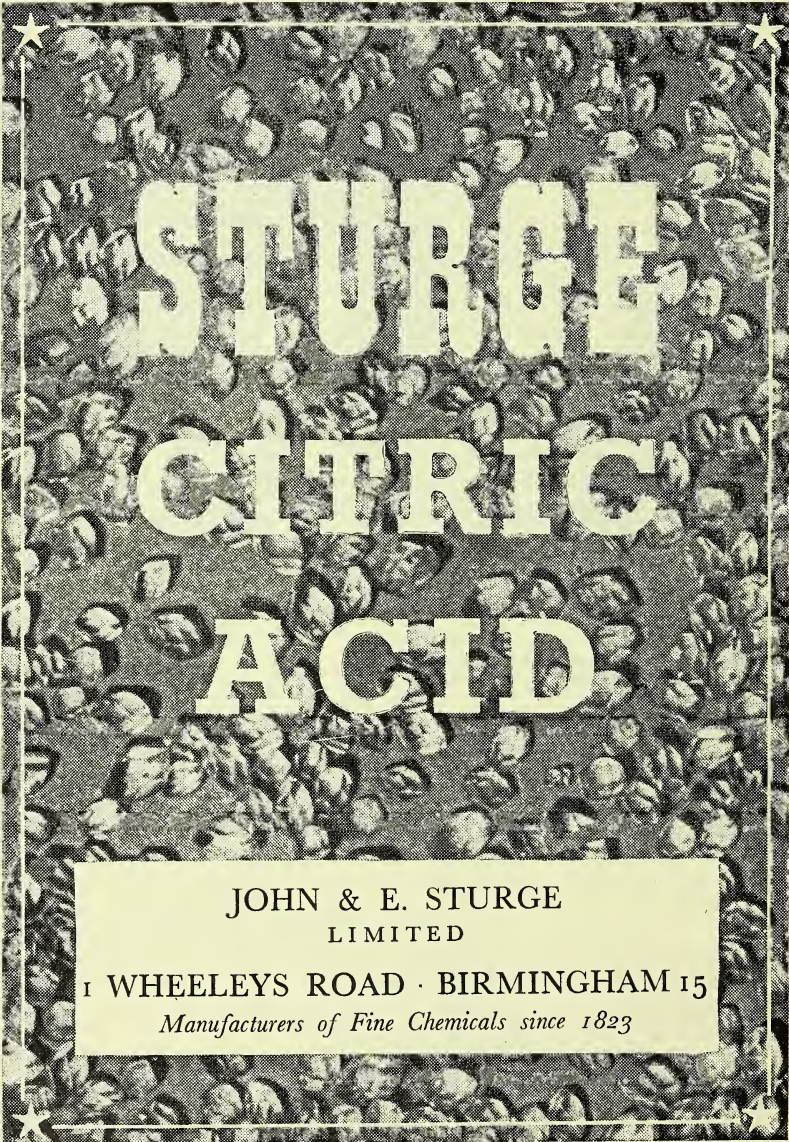


Because each batch of S.T.37 toothpaste manufactured is tested for germicidal activity, your customers are certain of a standardised product. S.T.37 toothpaste contains hexylresorcinol, the active ingredient of solution S.T.37. It cleans thoroughly, imparts a gleaming polish and tests have proved that when diluted four times (the approximate dilution of toothpaste in the mouth) will destroy bacteria almost instantly on contact. Your customers like its antiseptic flavour and ask for it again and again. Steadily increasing business based on repeat sales is good business and S.T.37 toothpaste is an all-the-year-round favourite. You are safe in handling a CF line—protected and profitable... send for terms.

SHARP & DOHME LTD., HODDESDON, HERTS.

S.T.37 TOOTHPASTE





STURGE CITRIC ACID

JOHN & E. STURGE
LIMITED

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Manufacturers of Fine Chemicals since 1823

*'It's made by **M&B**'
Your customers are attracted
by such a recommendation*

* **'ZEPHROL'** BRAND ephedrine cough syrup.

* **'PLANACRINE'** BRAND euflavine antiseptic

lozenges. * **'SCUROFORM'** BRAND butoform,

local analgesic in ointment and lozenges.

PROPAMIDINE CREAM - M&B for

the treatment of fresh burns, abrasions

and other minor superficial injuries.

*you yourself know that the product
is worthy of your reputation as a
pharmacist*

manufactured by

MAY & BAKER LTD.

distributors

**PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD.,
DAGENHAM**

* TRADE MARK



SCIENCE WITH PRACTICE

Established 1833

MEDICINAL RESINS & OLEO RESINS PODOPHYLLIN · JALAP



OLEO RESIN GINGER · OLEO RESIN CAPSICUM

StaffAllenS

STAFFORD ALLEN & SONS, LTD., WHARF ROAD, LONDON, N.1

TAS/AL 115A

The 'Borofax'

Bonus means **67% profit**

A bonus of 13 to the dozen is offered on three dozen assorted lots, one dozen or more to be large size. In addition, to chemists ordering three bonus parcels, three large jars are included free. A new, arresting showcard is issued with each order. Good stocks now available.

What you stand to gain by the 'Borofax' Bonus offer :—

EXAMPLE A

	s.	d.
3 DOZEN JARS	42	0
(Purchase Tax extra)	12	0
2 doz. large @ 1/9 =	54	0
1 doz. small @ 1/- =	3	6
	1	0
Bonus 2 large	58	6
1 small	36	0
Your return		
Your outlay		
Your PROFIT	22	6
Profit on outlay = 62%		

EXAMPLE B

	s.	d.
9 DOZEN JARS	126	0
(Purchase Tax extra)	36	0
6 doz. large @ 1/9 =	162	0
3 doz. small @ 1/- =	10	6
	3	0
Bonus 6 large @ 1/9 =	5	3
3 small @ 1/- =	120	9
Extra Bonus	108	0
3 large @ 1/9 =		
Your return		
Your outlay		
Your PROFIT	72	9
Profit on outlay = 67%		

'BOROFAX'

OINTMENT

List prices: Glass jars, 1/- plus 1½d. purchase tax, and 1/9 plus 2½d. purchase tax. (Subject to trade discount)



BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) **LONDON**

B.I.F., OLYMPIA see the **B. W. & CO.** exhibit on **STAND A1171**

11 you will have
days
in which to visit the

BRITISH INDUSTRIES FAIR

5-16 May 1947

The 1947 Fair, open from 5-16 May, offers both Home and Overseas Buyers an unequalled opportunity of comparing the exhibits of a large number of competing firms. The immense range of products displayed at the Fair will be carefully grouped to facilitate the quick and easy comparison of prices and quality.

Once again the world-famous British Industries Fair will enable the buyer,

after a lapse of seven years, to establish direct contact with his suppliers and to discuss his marketing problems in person with the actual manufacturer.

Catalogues will be available on 30th April (price 2/6) on application to Export Promotion Department, Board of Trade, 35 Old Queen Street, London, S.W.1, or the Birmingham Chamber of Commerce (Inc.), 95 New Street, Birmingham, 2.

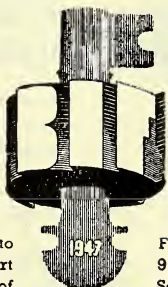
BIF

LONDON

(Olympia & Earls Court)

Trade Buyers 9.30 a.m.—7.30 p.m.

Buyers' Badge 2/6



BIF

BIRMINGHAM

(Castle Bromwich)

Trade Buyers 10 a.m.—6 p.m.

Buyers' Badge 2/6

THE PUBLIC—Hours of admission to the Public at Olympia and Earls Court are limited for the convenience of Home and Overseas Buyers:—Monday to

Friday 4.30 p.m.—7.30 p.m. Saturday 9.30 a.m.—7.30 p.m. Birmingham Section open to the public 10 a.m.—6 p.m. daily. Admission 2/6.

DRUGS and CHEMICALS will be shown at Olympia



*NOW is the time to
build up YOUR sales
with a* **PENTNOR** *QUALITY PRODUCT*

which will be asked for by your customers. We have an excellent selection of Toilet & Beauty Preparations suitable for Men and Women and specialities for the Children. Send your orders immediately and secure priority delivery.

Distributors for Scotland & Northern Ireland:
Pharmaceutical Distributors (Glasgow) Ltd.,
187 St. Vincent Street, Glasgow, C.2.

RUFF & CO. (SALES) LTD., Pentnor Laboratories,
128 Atkins Road, London, S.W.12

MARKSMAN



Sponges

Supplies are still limited but orders
will receive prompt attention.

Leslie Marks & Company Ltd.

Importers and Exporters of Fine Sponges,
Chamois Leather Dressers.

7 & 9 EARLHAM ST., CAMBRIDGE CIRCUS
LONDON, W.C.2. Temple Bar 6135

New . !

**EVAN
WILLIAMS**

present
their new
product—



Liquid TINTENNA

—a true Synthetic henna which gives the satisfactory
results of henna with perfect safety.

It will meet with general approval from all women with
brown or auburn hair who wish to maintain and
accentuate the natural tones of their hair without
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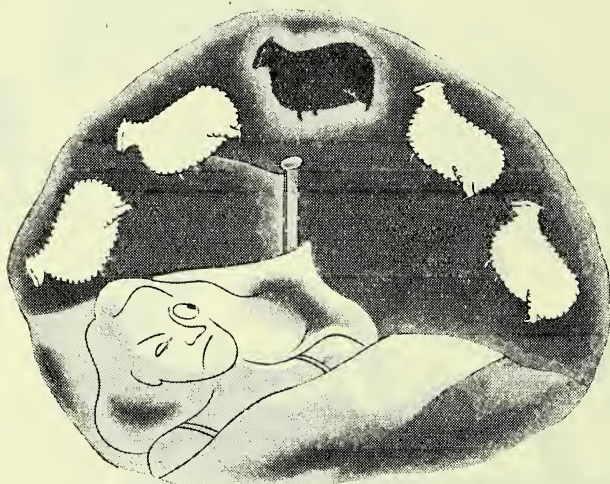
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NEWS OF THE WEEK

Perfume Theft.—Two 11-lb. tins of jasmine concrete, valued at £5,000, were stolen from the factory premises of Lautier Fils, Ltd., Power Road, London, W.4, on April 16.

Withdrawal of D.D. Authorities.—The Home Secretary has withdrawn from John Simpson, L.R.C.P., L.R.C.S., L.R.F.P.S., 1 Carriagehill Drive, Paisley, the authorities granted him under the Dangerous Drugs Acts and the regulations supplementary to the Acts.

Key Industry Duty Exemptions.—The Safeguarding of Industries (Exemption) (No. 2) Order, 1947 (S. R. & O., 1947, No. 649) exempts styrol (styrolene) and tetrahydronaphthalene from key industry duty from April 19 until June 30.

Edible Oils Order Amended.—The Minister of Food has issued an order amending the Edible Oils (Control of Sale) Order, 1944, so that from April 23 trade users no longer need a permit to obtain supplies of olive oil, almond oil, peach-kernel oil (or apricot oil), tea-seed oil and hazelnut oil.

Swine Fever Vaccine.—From May 15, swine fever (crystal violet) vaccine has been made available at the Ministry of Agriculture and Fisheries' Veterinary Laboratory, New Haw, Weybridge, Surrey, to veterinary surgeons. Manufacture is being subsidised by the Government during the initial stages, and the product is being supplied to veterinarians at less than the figure which it costs to make.

N.H.S. Vaccine Supplies.—A circular issued to local authorities recently by the Ministry of Health states that supplies of lymph for vaccination against smallpox and prophylactic for immunisation against diphtheria will be supplied free of charge by the Minister to local authorities providing services under Section 26 (Vaccination and Immunisation) of the National Health Service Act.

Commonwealth Tuberculosis Conference.—A Commonwealth and Empire health and tuberculosis conference is to be held in London, July 8-10. Delegates from twenty-three dominions and colonies, and visitors from many other countries, are expected to attend. The conference is being

sponsored by the National Association for the Prevention of Tuberculosis, Tavistock House North, London, W.C.1.

Association of Tar Distillers.—At the annual meeting of the Association of Tar Distillers recently, the following officers were elected: *President*, Mr. W. A. Walmsley (Thomas Ness, Ltd.); *Vice-president*, Mr. C. Lord (Lancashire Tar Distillers, Ltd.); *Treasurer*, Captain C. W. Harriss (Burt, Boulton & Haywood, Ltd.); *Auditor*, Mr. E. Hardman (E. Hardman, Son & Co., Ltd.).

Atmospheric SO₂ Estimation.—As part of its work on atmospheric pollution, the Fuel Research Station of the Department of Scientific and Industrial Research has installed in the tower of "Big Ben," Westminster, over 200 ft. above ground level, and at ground level in Parliament Square below, apparatus for recording the concentration of atmospheric sulphur dioxide at different altitudes.

Texas Chemical Works Destroyed.—The styrene plant of the Monsanto Chemical Co., Texas City, U.S., was completely destroyed in a series of explosions and fires which caused widespread devastation in the city on April 16. Mr. Edward A. O'Neal, managing director of Monsanto Chemicals, Ltd., British associates of the American company, stated in London on April 18 that the disaster would have no effect on the production or the financial aspects of the British company.

Soap Rationing.—Coupons available during ration period No. 11 are the two upright pairs of small squares numbered K41/42 and 43/44 on the large square number 11. In ration books R.B.1 and R.B.4 the coupon numbered 41/42 is worth one ration and the coupon numbered 43/44 two rations of soap. The two whole coupons in ration book R.B.2 are each worth two rations of soap. Soap coupons carried over from ration period No. 10 are valid during ration period No. 11. Coupons carried over from ration period No. 9 are not valid in ration period No. 11.

Glyn-Jones Memorial Fund.—The trustees of the Glyn-Jones Memorial Fund state that in June they will be considering applications from pharmacy students for grants towards college fees and/or maintenance during the coming session. Applicants will be required to disclose, in strict confidence, full details of their financial resources. Application forms, which must be returned before May 30, may be obtained

from the secretary to the trustees, Glyn-Jones Memorial Fund, 17 Bloomsbury Square, London, W.C.1.

Perfumed Spraying Fluids.—According to a statement issued by the Commissioners of Customs and Excise on April 21, perfumed spraying fluids are chargeable with purchase tax at the rate of 100 per cent. of the wholesale value except for approved disinfectants supplied in containers of a capacity of 2 fl. oz. or more bearing labels clearly indicating that the contents are disinfectants and giving directions for their use as such. Any reference to use as a toilet preparation on or accompanying the container renders the preparation chargeable at the higher rate.

LOCAL NEWS

Wembley Association Officers.—At the annual meeting of the Wembley Chemists' Association, held recently, the following officers were elected: *President*, Mr. T. B. Robinson; *Vice-president*, Mr. A. A. Lawrence; *Treasurer*, Mr. James Cooper; *Secretary*, Mr. Evan C. Meredith, 18 Wentworth Hill, Wembley, Middlesex.

Mr. Linstead in Hull.—At a recent meeting of the Hull Branch of the Pharmaceutical Society, Mr. H. N. Linstead spoke on "The Next Ten Years in Pharmacy." Mr. L. Sellé was in the chair. Mr. Linstead said that in the next five to ten years pharmacists would have an opportunity to show the Government and the public that an adequate pharmaceutical service could be provided through the chemists' shops.

Southend Annual Meeting.—At the annual meeting of the Southend Branch of the Pharmaceutical Society, held recently, the following officers were elected: *Chairman*, Mr. S. Relph; *Vice-chairman*, Mr. E. B. Bunting; *Secretary*, Mr. B. Baker; *Treasurer*, Mr. O. T. French. The new chairman paid a tribute to the retiring chairman (Mr. J. R. Heywood) thanking him for his untiring efforts in reviving the branch's activities after the war.

Glasgow "Welcome Home" Dinner.—The Glasgow and South-western Scottish Branch of the Pharmaceutical Society gave a "welcome home" dinner and dance to some 140 ex-Service members in Glasgow recently. Mr. R. M. McCrone (chairman) welcomed those present and expressed the indebtedness of the branch to members who had been in uniform. Lieutenant-colonel W. C. Carmichael, replying, said that the ex-Service members should be grateful to

those who had kept pharmacy to the fore and the branch alive during the war. Dr. Tait, Professor J. P. Todd and Dr. Stuart Laidlaw (medical officer of health for Glasgow) were among those present.

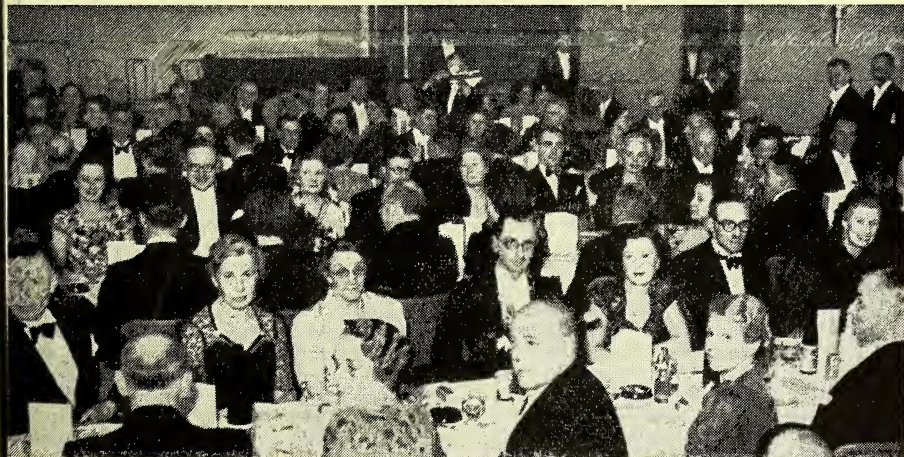
Brighton Annual Dinner.—At the first post-war annual dinner of the Brighton and Hove Branch of the Pharmaceutical Society and the Brighton and Hove Association of Pharmacy, held recently in Hove, some 180 members and guests were welcomed by Mr. Donald W. Hudson (chairman of the Branch and president of the Association) with Mrs. Hudson, and by Mr. G. R. Knox Mawer (president, Pharmaceutical Society). Among those present were the mayors and mayoresses of Brighton and Hove, Mr. F. W. Adams (deputy secretary, Pharmaceutical Society), Dr. Gordon Watts (principal, Brighton Technical College) and representatives of the British Medical Association, the Medico-chirurgical Society and the British Dental Association. Visitors from other branches included Mr. G. Checkley, Eastbourne, Mr. E. L. Gwynne, Reigate and Redhill, Mr. B. Hutchinson, West Sussex, and Mr. J. O. Davidson, Tunbridge Wells. "The Society" was proposed by Mr. Henry B. Mackie (head of the school of pharmacy, Brighton Technical College) and Mr. G. R. Knox Mawer responded. Mr. C. W. Maplethorpe (chairman of the Society's Education Committee) proposed "The Brighton Branch and Association" to which Mr. D. W. Hudson replied. Re-

sponses to "Our Visitors," proposed by Mr. Edgar Jones, were made by the mayors of Brighton and Hove. Mr. F. Lewis Watson acted as toastmaster and master of ceremonies. A collection for the Society's Benevolent Fund amounted to £16 16s.

IRISH NEWS

Eire Sheep Dip Legislation.—Section 7 of the Clean Wool Bill, 1947, introduced recently in Dail Eireann, prohibits the manufacture and sale of any sheep dip, whether or not it is an approved sheep dip within the meaning of the Sheep Dipping Order, which contains any colouring matter, not an ingredient essential for preventing or treating sheep scab, and which when applied in any manner to sheep, would impart a stain or colour to the wool.

Eire Public Health Bill.—The text of a new Public Health Bill, introduced in the Dail recently to replace the Public Health Bill, 1945, which was withdrawn, provides for the creation of a National Health Council to advise the Minister of Health on matters affecting the people's health, and for the establishment when necessary of special consultative councils to advise the Minister on particular matters. It is expected that pharmacy will be among the professions represented on such councils. Under the Bill regulations may be made to control the advertisement and sale of medicinal and toilet preparations.



BRIGHTON AND HOVE DINNER.—Some of the 180 guests who attended the first post-war annual dinner of the Brighton and Hove Branch of the Pharmaceutical Society, and the Brighton and Hove Association of Pharmacy, held recently in Hove

THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

WHEN the House of Commons resumed on April 17 LORD WILLOUGHBY DE ERESBY asked the President of the Board of Trade whether he would increase the supply of leather to manufacturers of surgical boots and shoes. MR. BELCHER (Parliamentary Secretary) replied that the Board of Trade was always ready to give special assistance to any surgical bootmakers whose output was limited by lack of materials; he would have particular cases looked into immediately. On a further question whether, in view of delays in supply, he would arrange that clothing coupons did not have to be handed over until delivery had taken place, he replied that there was no obligation under the Consumer Rationing Order to hand over coupons for any rationed goods until they were supplied. As a matter of private contract, the supplier might require coupons to be deposited as a condition of accepting the order, since he would himself have to lay out coupons to carry it out. He saw no reason for interfering with such arrangements.

Plant Conversion to Oil

The Minister of Fuel and Power (Mr. E. Shinwell) was asked whether he would give an overriding guarantee to those who had installed, or were willing to instal, oil-burning plants as a substitute for coal-burning plants, both in industry and for domestic purposes, that the necessary oil would be available; and for what length of time and at what price such guarantee would be given.

MR. SHINWELL: The present oil supply programme provides for the fuel oil requirements of all consumers authorised to convert from coal to oil. Provision will also be made in programmes for future years to meet the fuel-oil requirements of such consumers. . . . Every effort will be made to keep prices at the lowest level.

Budget Debate

Lack of American dollars dominated the Budget and the debate which followed. "We must export or expire," said the Chancellor (MR. HUGH DALTON) opening his Budget; in winding up the debate, he declared that the tobacco duty increase was "the first shot in the battle for dollars."

SIR JOHN ANDERSON described the Budget as "one of expedients, shifts and devices, some trivial, some positively mischievous.

. . . It fails to face clearly some of the most urgent aspects of our present situation, notably the need for rigorous economy, the impossibility of maintaining anything like the present level of direct taxation without running into disaster, and it is a Budget which discloses no broad statesmanlike plan for extricating our country from her present unhappy plight."

The income tax reliefs were niggardly, he continued, and there ought to have been a substantial reduction in the standard rate. The country needed increased production, and incentives should have been given all along the line—especially to those who were so far untouched by the reliefs given.

LEGAL REPORT

Action Follows Death of Horse.—Judgment was reserved in the Dublin circuit court recently, in an action brought by Mrs. Alexandra Finch Molony, Bloomfield, Malahide, co. Dublin, against J. J. Roche & Co., Ltd., chemists, Upper O'Connell Street, Dublin. Mrs. Molony claimed £100 for the loss of a horse, alleged to have died after being treated with lotion purchased from Messrs. Roche. For Mrs. Molony it was stated that the lotion had been sold to her daughter-in-law, who asked for a preparation, Kurmange, to use for lice on the horse, but was recommended a preparation, Proscabin. She applied two bottles of the lotion to the horse, and the next day it was found lying in the field with "red, raw patches" all over its body. The animal died some hours later. The daughter-in-law described how she applied the lotion, and in reply to the defence said that she did not notice that the words "for resale to veterinary surgeons only" appeared on the labels of the bottles. A veterinary surgeon stated that the horse, when he examined it, was in a state of collapse, and there were raw patches on its body. Proscabin was used by him almost every day, principally for mange in dogs, and he had never known the lotion to cause any injury. The preparation could be used as a treatment for lice. If the lotion had caused the raw patches on the horse, it must have contained some irritant not normally in the lotion. Another veterinary surgeon, appearing for the defence, said that in his opinion the horse had died from acute inflammation of the bowels.

TOPICAL REFLECTIONS

Pharmaceutical Society's Constitution

The greater, we are told, includes the less; the educational changes made, or about to be made, by the Council of the Pharmaceutical Society are destined to form part of a general overhaul of the Society's constitution (p. 437). While it is reasonable that 1843 should be squared with 1947 (or whatever year is selected for the change-over), members will be well advised not to open their mouths and shut their eyes. Changes so fundamental, once made, have to last for a considerable time. An example of the kind of scrutiny I recommend can be found by looking at the two phrases proposed by the Council for describing the objects of the Society. They read: "To maintain the honour and promote the interests of the pharmaceutical profession"; "advancing pharmacy and promoting pharmaceutical education." Is there no other participle that could have been used in the second phrase? Again, I am surprised by the large number of matters that the Council proposes to regulate by bylaws. This predilection for legislating without any check but that of the Privy Council is not a healthy sign. From recent remarks made by Mr. H. M. Hirst at Scarborough (p. 441) I gather that the Council of the Society is not exactly a happy family, and that the rank and file are in for one or two shocks. What will happen if a proposed bylaw is vetoed by the Privy Council? In diplomacy it is not safe to assume that relations between two authorities will remain constant.

An Iniquitous Subsection

This brings me to the question of the threat implicit in Section 4(b) of the Poisons and Pharmacy Act, 1908, an iniquitous proviso that the Society's Council responsible for negotiations leading to the passing of the Act was weak enough to agree to. Pharmacists who qualified before 1919 will no doubt remember the storm that arose in that year over the admission of apothecaries' assistants to the Register of Chemists and Druggists without examination. As your columns showed at the time, the Privy Council put pressure upon the Society's Council to make a bylaw for that purpose. The overcrowded meeting of members of the Society in a City hall on July 2 was described to me by a councillor whom I met the same afternoon as the hottest he had ever attended. He was not referring to the

weather. A committee of protest was formed, and the Society was badly shaken. Eventually the bylaw was confirmed by a vote of 682 against 434, thus accepting a situation that neither side of the voters liked. The point of this reference to 1919 is that Army dispensers, described in the same Act as "qualified," may at any time be foisted on the Society and converted into registered though unexamined pharmacists. It should be a *sine qua non* in any Bill that the Society may introduce into Parliament that this state of affairs must end. The very fact that the standard of qualifications in pharmacy is rising should rule out any possibility of military dispensers being pitchforked into the ranks of the registered.

Pasteur Exhibition

Everyone who has an opportunity of visiting the exhibition of Pasteur relics at the Science Museum in South Kensington (see p. 467) should do so. The work of this great man of science is still going on, in a sense, every time a culture medium is prepared or an autoclave is manipulated. The exhibition includes loans from the Ecole Normale in Paris and from the Royal Society. Among the manuscripts are letters from Pasteur, Lister and a few of their contemporaries. For pharmacists the most important part of the display is the excellently arranged series of exhibits from the Wellcome Historical Medical Museum. These show, in groups, Pasteur's studies in crystals, in the alleged possibility of spontaneous generation (1860-64), and in fermentation (1862-71). (By the way, there was an error in the date given for Tyndall's letter to Huxley on tyndallisation, a device arising out of Pasteur's work, in this section on April 5: the year was 1877.) From the Wellcome Museum Library have come several first editions and holographs. Pasteur's calligraphy was small and neat. There are also reminders of his work on anthrax and rabies, and a few "personal" articles such as medals. A photograph of the well-known picture of Lister advancing to greet Pasteur at a ceremony at the Sorbonne makes one wonder whether it happened exactly like that. Lister's remarks to Pasteur at the latter's seventieth birthday celebrations are probably equally true today: "Truly there does not exist in the whole world an individual to whom medical science owes more than to you." **Xrayser**

BIRTH

BRAZIER.—At Guy's Hospital, London, on April 14, Ella, the wife of James D. Brazier, M.P.S., D.B.A., 58 Foulser Road, London, S.W.17, of a daughter.

MARRIAGES

HUTCHESON—McIVOR.—In Glasgow, on April 16, William T. F. Hutcheson, only son of the late Mr. Lewis Hutcheson, M.P.S., Inverness, to Nancy L. N. McIvor, Glasgow.

MURRAY—YOUNG.—At Perth, on March 20, Stewart Lindsay Murray, M.P.S., 12 The Broadway, Woodford Green, Essex, to Madeleine Young, Pitlochry, Perthshire.

Golden Wedding.—**AVERILL—WEIR.**—At St. George's Church, Hanover Square, London, W.1, on April 21, 1897, Morris Averill, M.P.S., to Emma, third daughter of Mr. William Weir, M.P.S., 8 South Street, Park Lane, W.1. Present address: 42 Pembroke Avenue, West Worthing.

DEATHS

BRITTAI.—On April 15, Mr. Richard Harold Brittain, M.P.S., Gulpher Farm, Felixstowe. Mr. Brittain qualified in 1902. He was at one time president of the (since defunct) Chemists' Assistants' Association. In 1909 he took over, with Mr. T. W. Theakston, the retail pharmaceutical business of Prichard & Constance, 71 Newman Street, London, W.1. In 1911 they formed a limited company and entered the wholesale field with their Amami series of cosmetics and toilet preparations, which were manufactured first at Holloway Road, N.1, later at Chenies Street, W.C.1, and subsequently at Broad Street, W.C.2. Mr. Brittain retired from the concern in 1926, after he had had sole control of the business for some years. A colleague (A. J. M.) writes:—To the generation that is passing, R. H. Brittain was a successful business man, a pioneer in the cosmetic world of twenty-five years ago. Latterly, as a breeder of pedigree Guernsey cattle, his characteristic striving for quality contributed towards improving a stock for which Britain is famous. It was, I believe, in the first week of the 1914-18 war that "B" "downed tools" as a pharmacist and enlisted in the ranks, going through to finish as Captain, M.C. I have heard "B" spoken of as "lucky." He was wont, on occasion, so to describe himself. If to

create and seize opportunity, if to be a good judge of men, is to be lucky, then "B" was so. He possessed certain qualities that set him apart and above most of us. An observer did not have to be very critical to note a frankness in manner and speech deriving from high physical and moral courage. Perhaps the quality which, more than any, endeared him to business associates was loyalty. He was the last to give up hope, he would stand by a cause which others considered lost.

CHAPMAN.—At his home, 125 Scalby Road, Scarborough, on April 16, Mr. Edgar

Marsh Chapman, Ph.C., F.R.I.C., F.C.S., aged seventy-two. Mr. Chapman had had a distinguished career in pharmacy, and only so recently as April 5 (p. 373) was the subject of a lengthy article, "The First Burroughs Scholar," which appeared in these columns. His loss will be keenly felt in pharmaceutical circles. At the funeral on April 16, pharmacy was represented by Mr. H. M. Hirst (a member of the Pharmaceutical Society's Council), Mr. S. Brooke Dyde (Scarborough Pharmaceutical Association), Messrs. W. H. Newton, G. H. Meadley, H. Owston, F. A. Lund, E. Cummins, A. Walker, N. Jefferson, H. Walker, E. E. Hunt, W. H. Turner, J. W. Hopper, Miss A. M. Hill and Miss K. P. Wrightson (formerly of Mr. Chapman's staff).



DONEGANI.—At Bordighera, Italy, recently, Signor Guido Donegani, managing director of the Montecatini chemical concern and Italy's leading chemical industrialist, aged seventy.

FARROW.—In Lewisham Hospital, on April 18, following an operation, Mr. Frederick William Farrow (director and secretary, William Toogood, Ltd., druggists' sundriesmen, 165A Borough High Street, London, S.E.1, aged seventy-nine. Mr. Farrow had been associated with the company for over fifty-five years.

FRENCH.—On April 7, Mrs. E. E. French, wife of Mr. J. E. French, M.P.S., Greta House, Newington, Sittingbourne, Kent.

GRIMES.—On April 7, following an operation performed in the Mater Hospi-



tal, Belfast, Mr. John Francis Grimes, J.P., Pomeroy, co. Tyrone, Northern Ireland, aged seventy-two. For many years Mr. Grimes was one of the druggists' representatives on the Council of the Pharmaceutical Society of Northern Ireland. He retired in 1946 owing to failing health. Mr. Grimes

was also a member of the Ulster Chemists' Association and of the Chemists' and Druggists' Society of Ireland. At the funeral at Pomeroy those present included Mr. Fred Storey (president, Chemists' and Druggists' Society of Ireland), and Mr. H. F. Moore (a past-president of the Pharmaceutical Society). Mr. Grimes is survived by his widow, three sons and a daughter.

HENRY.—Suddenly, at 7 Grange Terrace, Fort William, Inverness-shire, on April 14, Mr. Duncan Cameron Henry, M.P.S. Mr. Henry qualified in 1922.

KELLY.—Recently, Mr. John Kelly, M.P.S., 34 Home Street, Edinburgh, 3. Mr. Kelly qualified in 1938.

MARTIN.—Recently, Dr. William Martin, senior director of Brady & Martin, Ltd., manufacturing chemists, of Newcastle-upon-Tyne, aged seventy-eight. A native of Cornwall, Dr. Martin had had associations with Newcastle for more than sixty years. In his younger days a ship's surgeon, he did considerable research work in Röntgen rays, and was a member of the Society of Chemical Industry and of the Röntgen Society. He was president of the University of Durham Medical Graduates' Society, 1914-15. During his long medical career Dr. Martin was medical officer at King's College Hospital, London, and house surgeon at West Hertfordshire and Newcastle Royal Victoria Infirmaries.

MORGAN.—On April 21, Mr. Stanley J. Morgan, 17 Ravensbourne Road, Twickenham, Middlesex. Mr. Morgan had been the London representative for Richard Hudnut, Ltd., London, since the company's products were first introduced into this country. Although suffering from an incurable disease

Mr. Morgan continued his work with indomitable courage and uncomplaining cheerfulness until a fortnight before his death. A colleague writes:—The passing of Stanley Morgan means to his colleagues and to his many friends in the trade the loss of a loyal friend and wise counsellor. His unassuming nature and sincerity endeared him to all who had the good fortune to know him.

NELSON.—At 195 Hale Lane, Edgware, on April 22, Mr. William Brown Nelson, M.P.S., for twenty-five years prior to his retirement in 1941 general manager of Allen & Hanburys, Ltd., Bethnal Green, London, E.1, aged seventy.

PICKEN.—On April 19, Mr. H. F. Picken, Manchester. Mr. Picken was for over thirty years the Lancashire representative of Brook, Parker & Co., Ltd., manufacturing chemists, Bradford. He retired in 1944.

SALTHOUSE.—On March 7, Mr. Edward Salthouse, M.P.S., 13 Aylmer Court, Aylmer Road, London, N.2. Mr. Salthouse qualified in 1896.

WILSON.—At the Royal Infirmary, Edinburgh, on April 9, Mr. Thomas Wilson, M.P.S., 17 High Street, Linlithgow. Mr. Wilson qualified in 1912.

WILLIAMSON.—On March 14, Mr. Henry Williamson, M.P.S., 1 Queen Square, Ossett, Yorks. Mr. Williamson qualified in 1920.

WILLS

MR. ALFRED ARTHUR BRUNKER, M.P.S.I., formerly managing director of Boileau & Boyd, Ltd., wholesale and manufacturing chemists, Dublin, at £8,191.

MR. SAMUEL FLEMING, M.P.S.N.I., 96 Audley Road, Hendon, London, N.W.4, manufacturing chemist and hairdressers' sundriesman, formerly of Belfast, left £8,619, with net personality £7,145.

MR. MITCHELL HARWOOD, 131 Preston New Road, Blackburn, Lancs, formerly principal of Harwood & Co. (Darwen), Ltd., wholesale druggists, left £8,932, with net personality £7,379.

MR. JOHN ROBERT RAPER, Polperro Mansions, Lyncroft Gardens, London, N.W.6, a former member of the editorial staff of *THE CHEMIST AND DRUGGIST*, left £1,298, with net personality £1,196.

MR. GEORGE HARRY LONG, 25 Strathfield Gardens, Barking, Essex, formerly a senior executive of H. R. Napp, Ltd., manufacturing chemists, left £3,509, with net personality £2,554.

TRADE NOTES

Carboy Containers.—Spotwelded steel casks for containing carboys are offered by Fa. P. Kommer & Co., Alkmaar, Holland.

Sunglasses.—Home and export inquiries are invited by Luminos, Ltd., 45B Belsize Lane, Hampstead, London, N.W.3, for their Lumicraft sunglasses.

Bottles from Stock.—M. J. Fecher, Ltd., 121 High Street, Slough, Bucks, offer to supply, from stock, nail-varnish and corn-solvent bottles.

Price List.—Bayer Products, Ltd., Africa House, Kingsway, London, W.C.2, have issued a 1947 price list of agricultural and horticultural products, with notes on their uses.

Antiseptic Dusting Powder.—Described as "the latest in antiseptic dusting powder," Dermasept has been introduced by Lewis (Import & Export), Ltd., 232 Great Portland Street, London, W.1.

Double-use Powder Cake.—Patrick, James & Co., Ltd., High Street, Kingston-on-Thames, claim that their Sojan powder cake supersedes other solid powder cakes: it is capable of being used either dry with a puff or wet with a sponge. The preparation is available in four tints.

Change of Name.—C. J. Hewlett & Son, Ltd., Charlotte Road, London, announce that their vitamin speciality Elixir Vitaminæ has been renamed Hewlix brand vitamin elixir. The label has been redesigned in three colours, and the 8-oz. bottle is being issued in an attractive carton.

Anti-moth Rings.—S. Maw Son & Sons, Ltd., Aldersgate House, New Barnet, Herts, are advertising in the national Press their Meritor DDT anti-moth rings, which are issued in packets of seven in display cartons of one doz. Show material is available. Terms are given on another page.

Quinine Releases.—Carnegie Quinine Works, Ltd., associated with Carnegie Chemicals (Welwyn), Ltd., Welwyn Garden City, Herts, are now in a position to release limited supplies of quinine, quinine salts and cinchona preparations manufactured at their factory at Welwyn.

Pyrethrum.—Formulators of insecticides are invited to consult the European agents for Kenya pyrethrum: Mitchell, Cotts & Co., Ltd., Winchester House, Old Broad Street, London, E.C.2, who are subagents for the shippers, the Kenya Farmers Association (Co-op.), Ltd.

Small-scale Mixer.—The Boyd-Norman Manufacturing Corporation, Norwich House, Southampton Place, London, W.C.1, have introduced a powder mixer, the Umix, for small-scale work, and invite chemists to send for descriptive bulletin A59.

New Pack.—John Knox (Stoke-on-Trent), Ltd., Jaynox Works, Kings Street, Fenton, Stoke-on-Trent, and John Knox (Midland), Ltd., 36 Dean Street, Birmingham, 5, have made available in a new pack, and in display outers, their preparation Renoids (Dr. Knox's back and kidney pills).

Synthetic Henna.—A new product introduced by Evan Williams Co., Ltd., Aintree Road, Perivale, Greenford, Middlesex, is Evan Williams' liquid Tintenna, described as "a true synthetic henna which gives the satisfactory results of henna with perfect safety." Trade terms are given in an announcement elsewhere in this issue.

Fire Causes Delays.—Owing to considerable damage by fire to the premises of Warrick Bros., Ltd., manufacturing chemists 4 Nile Street, London, N.1, the company's services to their retail customers have undergone some degree of dislocation, and there will be delay in executing orders. The telephone is being restored at its original number: Clerkenwell 2452.

Spelling Error.—A typographical error occurred in an announcement by Biddle, Sawyer & Co., Ltd., 4 Grafton Street, London, W.1, in the April 19 issue of the *C. & D.* As a result, some readers may have been confused. The list of products of which regular supplies are available from the company should have included d tubocurarine chloride, so spelled.

New Rat Poison.—Alpha naphthyl thiourea, which has had phenomenal success in the United States as a rodenticide, is being marketed in this country by ASHL LABORATORIES, LTD., 120 Victoria Street, London S.W.1, as Rantu (in 3-oz., 5-lb., and 20-lb. packs) and by RODMILL CHEMICAL CO., LTD., 49 St. Anne Street, Liverpool, 3, as Antu.

Works Expansion.—The Distillers Co., Ltd., London, announce that they have authorised expenditure of about £2,000,000 for expansion of output at the works at Salt End, Hull, belonging to their subsidiary, British Industrial Solvents, Ltd. The products involved cover solvents, plasticisers, and acetic acid and anhydride. The ex-

pansion is necessitated by the growth of consumption of these products in the plastics, rayon, chemical and dyestuffs industries.

Curare.—Adoption of *d*-tubocurarine as an adjunct to anaesthesia and as a therapeutic agent in spastic disorders is now accepted. Distribution was hindered by shortage of the South American plant, *Chondrodendron tomentosum*, from which the drug is obtained. Adequate supplies of the material are now assured, and production of *d*-tubocurarine chloride has been considerably increased in consequence. Burroughs Wellcome & Co., 183 Euston Road, London, N.W.1, invite inquiries.

Price Changes.—THE CROOKES LABORATORIES, LTD., Park Royal, London, N.W.10, have found it necessary to increase, from May 1, the price of the 16-oz. packing of Crookes glucose B-D.—The retail price of D.D.D. toilet soap, manufactured by D.D.D. Co., LTD., 3 Fleet Lane, London, E.C.4, was recently increased.—MILTON ANTISEPTIC, LTD., John Milton House, London, N.7, increased the price of Milton denture powder on April 21. The makers state that, although an increase in price has been amply justified for some time past, in view of steadily rising overhead costs and increased costs of raw materials, the pre-war price has been maintained, but to continue any longer at the old price would be to invite a direct loss on every bottle. The supply position is still most difficult, but supplies will continue to be allotted so that every retailer receives a parcel at regular intervals.—A new range of prices for Sulfamerazine tablets and powder is being put into operation by the manufacturers, SHARP & DOHME, LTD., Hoddesdon, Herts, on May 1. Details may be obtained from the company.

Proprietary Articles Trade Association

ADDITIONS TO PROTECTED LIST.—*Macleans, Ltd.*, "Wallet" pack of Maclean brand stomach tablets, 8d., 6s. doz., tax 1s. doz., inclusive retail price 9d.

ALTERATIONS.—*Corn Products, Ltd.*, Karo syrup, 1 lb., 1s. 6d., 12s. 7d. doz. (exempt from tax).

Lucozade, Ltd., Correction: The retail price, including purchase tax, of Lucozade tonic food beverage is 2s. 6d., and not as quoted in last week's issue.

Milton Antiseptic, Ltd., Increased prices, April 21, Milton denture powder, 10s. 6d. doz., tax 3s. 6d. doz., i.r.p. 1s. 5½d.

Parke, Davis & Co., Correction: Purchase tax on Metatone bronchial lozenges mentholated, and Desibyl capsules, quoted last week, was *each* and not *per doz.* Increased prices, April 24: Pitocin am-

poules, 0.5-c.c., box of six, 5s. 3d., 42s. doz.; box of twelve, 9s. 6d., 76s. doz.; 1-c.c., box of six, 9s., 72s. doz.; 1-c.c., box of twelve, 16s. 9d., 134s. doz.; Rubber-capped vials, 5-c.c., per vial, 5s. 6d., 52s. doz.; Pitrenalin, box of six twin ampoules, 7s. 9d., 62s. doz.; Pitressin ampoules, 0.5-c.c., box of six, 7s., 56s. doz.; box of twelve, 13s., 104s. doz.; 1-c.c., box of six, 12s. 6d., 100s. doz.; box of 12, 24s., 192s. doz.; Pitressin tannate in oil, box of six ampoules, 9s. 6d., 76s. doz.; Pituitrin (pituitary posterior lobe) extract, 0.5-c.c., box of six ampoules, 5s. 3d., 42s. doz.; box of twelve, 9s. 6d., 76s. doz.; 1-c.c., box of six, 9s., 72s. doz.; box of twelve, 16s. 9d., 134s. doz.

Thos. Reid & Sons, Ltd., Bamyl skin soap (strong or mild), 66s. 5d. gross, tax 22s. 2d. gross, i.r.p. 9½d. Bamyl shaving soap refills, 104s. 3d. gross, tax 34s. 9d. gross, i.r.p. 1s. 2d.

PERSONALITIES

MR. C. E. UNDERHILL, 107 Fore Street, Saltash, Cornwall, has been elected chairman of Callington urban council.

THE RT. HON. SIR WALTER WOMERSLEY has been re-elected president of the National Chamber of Trade.

MR. JOHN SKINNER, M.P.S., SEN., Stirling, is making good progress after being knocked down in a road accident recently. [Corrected note.]

MR. IVOR GLYNDWR, M.P.S., 127 Bute Street, Treherbert, Glam., has been elected president of the Treherbert chamber of trade.

MR. PATRICK J. LILLIS, M.P.S.I., 33 O'Connell Street, Ennis, Eire, was instrumental in having supplies of olive oil flown specially to Eire from New York, and Rome recently, for an urgent medical need.

MR. T. F. STOREY (Fred Storey, Ltd., wholesale chemists, Ann Street, Belfast) a former president of the Pharmaceutical Society of Northern Ireland, has been re-elected chairman of the Ulster Tourist Development Association.

MR. BERNARD FREEMAN, M.P.S., F.B.O.A., 64 George Street, Altrincham, has been elected president of the local chamber of trade. He has been a member of its executive committee for many years and has served as chairman of various committees.

DR. G. T. BADENSKI (professor of pathology in the University of Temisoara, Rumania), who has been working on virus diseases, including influenza, has arrived on a visit to this country under the auspices of the British Council. He will be engaged mainly in studies at the Malaria Laboratory, Horton Hospital, Epsom.

COMPANY NEWS

COLLINSONS MINERAL WATERS, LTD. (P.C.).—Capital £10,000. Alan Collinson and William M. G. Hodgson, directors. R.O.: Dover Road, Mineral Water Works, Dover Road, Blackpool.

BRUMEL'S (MANCHESTER), LTD. (P.C.). Capital £1,000. To carry on the business of manufacturing pharmaceutical chemists, etc. Jack Cohen, director. R.O.: 94 Cromford Court, Manchester, 4.

MAURICE KANE, LTD. (P.C.).—Capital £1,000. To carry on the business of wholesale and retail chemists, druggists, etc. First directors are to be appointed. R.O.: 37 Burnt Oak Broadway, Edgware.

DESPEL CHEMICAL CO., LTD. (P.C.).—Capital £5,000. To acquire the business of chemical manufacturers and distributors carried on at 2 Theatre Passage, Fishergate, Preston, as the "Despel Chemical Co." J. L. Sharp and R. L. Murray, directors.

B. E. BROWN, LTD. (P.C.).—Capital £2,500. To acquire the business of a drug stores, etc., carried on by Beryl E. Brown at 611 Kenton Lane, Harrow Weald. Directors: Beryl E. Brown and Eric M. Bone, M.P.S.

BOOKER (CHEMIST), LTD. (P.C.).—Capital £1,000. To acquire the business of a chemist carried on at 3 High Street, Carcroft, Doncaster. George Booker, M.P.S., and Mildred L. Booker, directors. R.O.: National Provincial Chambers, 48 High Street, Doncaster.

MERSONS (SUTURES), LTD. (P.C.).—Registered in Edinburgh. Capital £5,000. To carry on the business of manufacturers of and dealers in surgical, anatomical and medical appliances, etc. First directors are not named. R.O.: 18 St. Johns Hill, Edinburgh.

ARGUS CHEMICAL CO., LTD. (P.C.).—Registered in Dublin. Capital £2,000. To carry on the business of druggists, opticians, chemists, etc. First directors are not named. Therese M. Costello, subscriber. Ulster Bank Chambers, 3 Lower O'Connell Street, Dublin.

H. W. KAY & Co., LTD. (P.C.).—Capital £10,000. To carry on the business of manufacturers of and dealers in chemicals, fine chemicals and chemical products, soaps, etc. Herbert W. Kay and Alexander C. Kay, directors. R.O.: 1-3, New Street, Manchester, 10.

H. J. CHRISTIE, LTD. (P.C.).—Registered in Belfast. Capital £5,000. To acquire the business of a manufacturing chemist carried on at 6 Adelaide Street, Belfast. Henry J. Christie and Elizabeth Christie, directors. R.O.: 30 Donegall Place, Belfast.

W. ROTHWELL, LTD. (P.C.).—Capital £10,000. To acquire the business of a pharmaceutical chemist carried on at 78

Knowsley Street, Bolton, as "William Rothwell." Annie M. Rothwell, George G. Rothwell, M.P.S., and Edward S. Bissell, directors.

ARMFIELDS (CHEMISTS), LTD. (P.C.).—Capital £1,500. To acquire the business of drug store proprietors carried on at Tooting as "Armfield's Drug Stores." Stanley S. Armfield, Mabel E. Armfield and Marsden Lewis, M.P.S., directors. R.O.: 145 Franciscan Road, Tooting, London, S.W.17.

CIE DE DANDON EN PROVENCE, LTD. (P.C.).—Capital £100. To carry on the business of buyers and sellers of essences, extracts, oils, soaps, cosmetics, etc. Wallace P. Hibbert, Mrs. Marjorie L. Hibbert and Raoul Pellegrin, directors. R.O.: Aldwych House, Aldwych, London, W.C.2.

NORTHERN GLASS & INSTRUMENTS, LTD. (P.C.).—Capital £5,000. To carry on business of manufacturers of and dealers in chemicals, drugs, gases, glassware for hospitals and laboratory requisites, etc. Gordon W. Adamson, Harold Curry, Philip P. Joram, William G. Stoker and Joseph Brown, directors. R.O.: 25 John Street, Sunderland.

BUSINESS CHANGES

BENBOW'S DOG MIXTURE CO., LTD., issue a reminder that their present address is 10 Station Road, Shortlands, Kent.

MR. J. G. MALPASS, M.P.S., has acquired the laboratory furnishing and fine chemicals business of Mr. W. Finlayson, 18 Nelson Terrace, Stockton-on-Tees.

AYRTON, SAUNDERS & Co., LTD., Liverpool, have appointed Mr. J. E. Barker, Ph.C., to their manufacturing staff. Mr. Barker was Bell scholar in 1937.

UNICHER, LTD., 3 Broadwater Road, London, S.W.17, have appointed Mr. Eric Grigson, M.P.S., to their staff. Mr. Grigson has recently been demobilised from the Services.

THE SCIENTIFIC INSTRUMENT MANUFACTURERS' ASSOCIATION OF GREAT BRITAIN, LTD., have appointed Mr. A. J. Philpot, C.B.E., director. Mr. Philpot is also director of the British Scientific Instrument Research Association.

GLAXO LABORATORIES, LTD., Greenford, Middlesex, have made the following appointments to their home sales staff: Mr. O. F. Morgan, M.P.S., sales manager responsible for England and Wales; Mr. W. McIntosh, sales manager for Scotland; Mr. D. MacKenzie, sales manager for Eire and Northern Ireland; Messrs. W. McIntosh, M.P.S., A. L. Birchley, M.P.S., and K. W. Edwards, M.P.S., area sales executives; Mr. A. J. Brockbank, sales office manager.

SCOTTISH RETAIL WAGES AGREEMENT

AN agreement covering wages and conditions of employment in retail pharmacy was signed in Glasgow on April 19 by representatives of the Scottish Pharmaceutical

employees who have completed three months' continuous service, sickness pay is limited to two weeks' full wages in any one year. A medical certificate must be produced.

Qualified Managers and Manageresses

CONTROLLING A STAFF OF	MANAGERS	MANAGERESSES
Three or more full-time employees	£7 12s.	£7 2s.
Less than three full-time employees	£7 4s. 6d.	£6 14s. 6d.

Qualified Assistants

SEX	FIRST YEAR	SECOND YEAR	THIRD YEAR
Male	£5 10s. 6d.	£6 4s. 6d.	£6 9s. 6d.
Female	£5 9s. 6d.	£5 14s. 6d.	£5 19s. 6d.

Unqualified Assistants who have Completed Articles of Pupilage

AGE 20		AGE 21		AGE 22		AGE 23		AGE 24	
M	F	M	F	M	F	M	F	M	F
67s.	62s.	77s.	67s.	82s.	72s.	87s.	77s.	95s.	82s.

All other Assistants except Apprentices

SEX	AGE									
	15	16	17	18	19	20	21	22	23	24
MALE	25s.	29s.	33s. 6d.	41s. 6d.	49s. 6d.	56s. 6d.	69s.	73s.	76s. 6d.	84s. 6d.
FEMALE	21s.	25s.	31s. 6d.	35s. 6d.	39s. 6d.	43s. 6d.	48s. 6d.	52s. 6d.	59s. 6d.	—

Federation and of the Union of Shop, Distributive and Allied Workers (Association of Pharmaceutical Employees Section). Under the agreement, the minimum weekly rates of wages shown in the table above became payable with effect from March 3. Increments due to birthdays are to be made in the first full pay week after the birthday; increments to qualified assistants are to be paid in the first full pay week after the anniversary of registration as a pharmacist.

The normal working week is agreed as forty-eight hours including any Sunday work. Overtime (apart from a quarter of an hour allowed after closing time for clearing up) is payable at the rate of time-and-a-half for week-days and double-time for Sundays and statutory and local holidays. Employees who have completed twelve months' service by March 31 in any year are entitled to two full weeks' holiday; others are entitled to one day's holiday for each complete month worked. For em-

The rates of wages and conditions of employment stated in the agreement do not prevent the payment of higher rates.

Prescription Problem Solution

THE correct rendering of the prescription reproduced in THE CHEMIST AND DRUGGIST, April 19, p. 433, is as follows:—

Pulv. glucose	4 oz.
m.d.u.	
Sod. Bic.	gr. xxx
Spt. A.A.	
Spt. Chlorof. a.a.	mxxx
Inf. Gent. Co. Conc.	3 iiss
Inf. Rhei. Co. Conc.	3 ii
Syr Simpl.	3 vi
Aq Menth. Pip ad	3 iii
3 ii t.d.s.	

Of a number of renderings sent in to the Editor, none had less than two errors. All but one interpreted "glucose" as "charcoal," and all read the quantity of mixture to be dispensed as 8 fl. oz.

SMALL-SCALE STERILISATION

By F. J. Jackson, B.Sc., Ph.C.

1. STERILISATION WITHOUT AN AUTOCLAVE

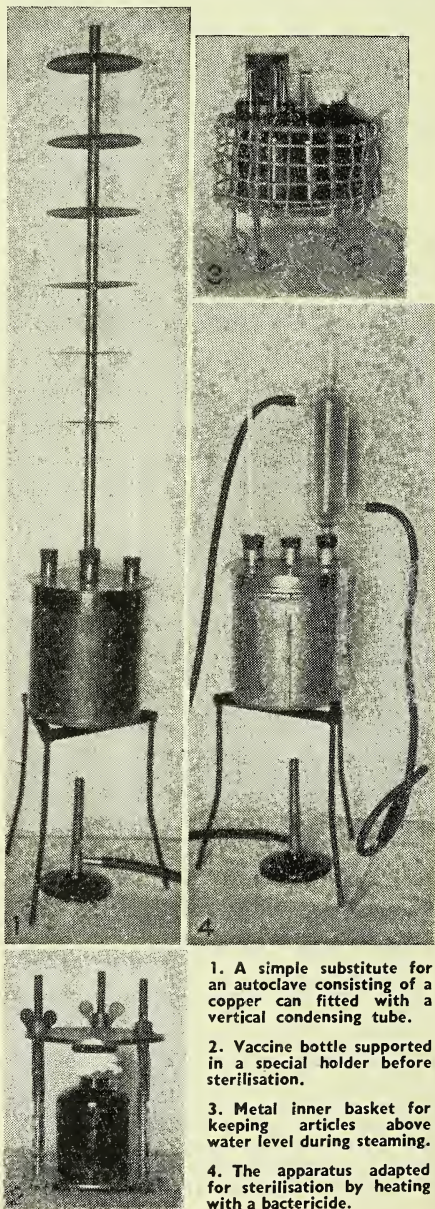
IN the absence of an autoclave, small-scale sterilisation can be carried out quite easily with the apparatus illustrated in Fig. 1. A similar apparatus could be made cheaply and simply by any metal worker.

The heater is a stout cylindrical metal can, preferably of copper, about 6 in. high and 5 in. in diameter. The sides of the lid should be about 1 in. deep, fitting closely over the outside of the top rim of the can. The lid should also have an external flange so, that it can readily be tapped off with a spatula, for it is difficult to remove a hot lid with the fingers. The lid has three external tubulures, each fitted with a rubber stopper, placed along a diameter. One of the stoppers near the edge is bored to take a 200°C. thermometer so that the graduation marks above 100°C. are visible. The central stopper carries a vertical metal condensing tube of internal diameter about $\frac{1}{2}$ in. and nearly 3 ft. high. At intervals of about 3½ in., commencing about 8 in. above the lid, the tube bears circular, horizontal cooling fins at least 3 in. in diameter.

Method

A mixture of eight volumes of glycerin and two volumes of water must be prepared and kept ready for use. Such a mixture boils at about 120°C., corresponding to an autoclave pressure of 15 lbs. to the square inch. The solution to be sterilised is placed in a Clinbritic vaccine bottle, the skirted cap inserted and the bakelite top screwed on tightly. It is then placed in the heater and the glycerin-water mixture is added until the bottle is about two-thirds immersed. It is convenient to support the bottle between the brass plates of a holder of the type illustrated in Fig. 2. If a vaccine bottle with an ordinary rubber cap is used, the cap should be wired on securely and a piece of cloth tied in position to keep the cap clean during sterilisation. A small piece of rubber, such as a thick cross-section of a large rubber stopper, is placed over the cap, and the upper plate of the holder firmly screwed down by means of the wing-nuts (see Fig. 2).

Ampoules, in a bundle, should be wrapped in gauze with a strip of metal to prevent them from floating when placed horizontally in the heater. Ampoules which are improperly sealed will be almost empty after sterilisation.



1. A simple substitute for an autoclave consisting of a copper can fitted with a vertical condensing tube.

2. Vaccine bottle supported in a special holder before sterilisation.

3. Metal inner basket for keeping articles above water level during steaming.

4. The apparatus adapted for sterilisation by heating with a bactericide.

After putting on the lid with its condenser and thermometer, the apparatus is heated by a Bunsen burner or gas ring, and when the thermometer reads about 120°C . the gas is turned down to a "peep" when the temperature will remain constant. The temperature may be reduced to the B.P. range of $115\text{--}116^{\circ}\text{C}$. by dropping water cautiously down the condensing tube. After heating for thirty minutes at 116°C ., the gas is turned off and, when the temperature has fallen a little, the contents are lifted out and set aside to cool before being finally rinsed with water and finished off.

To raise the temperature a little, the un-bored stopper is removed and the gas turned up to boil off some of the water. When the desired temperature is reached the stopper is replaced and the gas again lowered. To avoid frothing over when sterilising a cream such as a penicillin cream base, the pot is closed with a rubber bung and placed in the holder. After sterilisation, the bung is removed aseptically and the penicillin solution stirred in with a sterile rod. The metal lid, after it has been flamed internally, is then replaced.

Advantages

The method of sterilisation described has the following advantages:—

(a) The initial cost and the gas consumption are low.

(b) Less counter space is required than for the rather cumbersome autoclave.

(c) The total time required is about half that required by the autoclave. No time is wasted, for example, in getting up pressure, or in waiting until pressure has returned to normal before opening.

(d) There is no heavy, awkward lid to manipulate.

(e) The temperature is read directly and can be controlled to within half a degree; there is no pressure gauge to go wrong.

(f) There are no valves or washers to leak—always a source of trouble with autoclaves.

The efficiency of the method has been proved by a large number of sterility tests applied to broth which had been grossly contaminated, before sterilisation, with bacterial resistant spores such as those of *B. subtilis* and *B. anthracis*. The temperatures within the heated solutions have also been directly checked, and tests applied to ensure that there was no leakage in or out of the caps, even when the bottles had been completely immersed in the solution.

The same apparatus may be adapted for use as a steamer for sterilisation of a solu-

tion by heating with a bactericide at $98\text{--}100^{\circ}\text{C}$. For this purpose, water to a depth of about 1 in. is put into the heater. The articles to be sterilised are placed in a small metal basket with short legs which raise the articles just above the water level (see Fig. 3). When the water has been brought to the boil, the gas is lowered until the water is being maintained just at boiling point. For steaming, the condenser is placed in one of the tubulures near the edge of the lid so that cold condensation water will not drop on to the materials in the basket. The air condenser tends to become rather heated, but most of the water is returned to the heater and there is no danger of its boiling dry during the period stipulated for steaming. If an upright water-cooled condenser is used, the condensation is practically perfect (see Fig. 4).

A simple but effective water-cooled condenser may be made, at very small cost, from a wide glass tube about 15 in. long. Through a rubber bung in each end is inserted a narrower tube about $\frac{3}{16}$ in. in diameter, so that the wide tube forms a jacket round the narrow central tube. By inserting a glass inlet tube through the lower bung and a similar outlet tube through the upper bung, a continuous flow of cold water can be maintained through the outer jacket.

FIFTY YEARS AGO

German Chemical Expansion

(From the *C. & D.*, April 24, 1897)

THE report for 1896 of the Farbwerke, formerly Meister Lucius & Bruning, of Hoechst, states that the factories of the company were fully occupied during the past year. There has been a great increase in the sale of aniline dyes, but in the second half of the year the consumption of alizarine has fallen off considerably, owing to the political conditions of the United States and to the Indian plague and famine. The building of new factories is progressing, and for this year again a considerable sum is set aside for the continuation of the extension of the works and the purchase of new plant. The new works will include a large experimental dyeing-factory. The prices of almost all products of the company have again declined, and the antipyrin business has suffered considerably from new competition. There was a steady demand for diphtheria remedies, but the sale of these also suffers from the fact that in almost all countries these remedies are now manufactured. The other pharmaceutical articles of the factory are in good demand.

A REVOLUTION IN RODENT CONTROL

By Miles D. Price, B.Sc., A.R.C.Sc. (Chief Entomologist, Ashe Laboratories, Ltd.)

THE discovery some years ago, by Dr. Carl P. Richter, of Johns Hopkins University, Baltimore, U.S.A., that alpha naphthyl thiourea was a specific and spectacular agent for the control of the common brown rat, marks the greatest advance in rodent control for more than 100 years. Since its discovery, this new rodenticide has been subjected to extensive trials by Dr. Richter (in collaboration with the U.S. Office of Scientific Research and Development), and by the Fish and Wildlife Service of the U.S. Department of the Interior, and the trials have confirmed the early promise of the compound.

Toxicities Compared

Alpha naphthyl thiourea is notable because as little as 6 mgm. is sufficient to kill an adult brown rat. Single treatments with the chemical have repeatedly given complete clearances of rats.

Compared with existing rat poisons, alpha naphthyl thiourea appears to be not highly toxic to domestic animals, and to chickens and monkeys it is relatively harmless. Although no information is yet available regarding its exact action on human beings, the high resistance of monkeys sug-

The great toxicity of alpha naphthyl thiourea to the common or brown rat (*Rattus norvegicus*) as compared with other rodent poisons, is shown in Table I. (Data from S. Dieke and C. P. Richter, Johns Hopkins Hospital, Baltimore).

TABLE I

Poison (by stomach-tube administration)	Mgm. of poison per kilo of body weight required to kill 50 per cent. of the animals under test
Alpha naphthyl thiourea	6.9
Thallium sulphate	15.8
Zinc phosphide	40.5
Arsenic trioxide	138
Fortified red squill (females)	133
Fortified red squill (males)	276
Barium carbonate	1,480

"Brown" rats poisoned with alpha naphthyl thiourea die within 12-48 hours, the lethal action being characterised by acute pulmonary oedema and pleural effusion. The approximate lethal doses for various animals are given in Table II (p. 463).

It will be seen from the table that alpha naphthyl thiourea is highly specific, and affects the common rat more readily than it does any other species of animal examined. Curiously a greater dosage is required to

kill a young rat than is required to kill an adult. The substance has a comparatively low toxicity to *Rattus rattus*, a subspecies of which, in this country, is known as the ship's rat or black rat, and baits

containing lethal doses are probably unacceptable, since trials in America and Britain have proved that the substance is ineffective against *Rattus rattus*. Alpha naphthyl thiourea can, therefore, be recommended only for the control of the common or brown rat, *Rattus norvegicus*. Trials conducted in the laboratories of my company have shown alpha naphthyl thiourea to be ineffective against mice.

Due precautions should be taken to ensure that dogs and pigs are not allowed access to "treated" areas, but as chickens



The brown rat (*Rattus norvegicus*)

gests that man may likewise be resistant. In the absence of definite information, however, precautions should be observed in handling the material. In Baltimore, U.S.A., the substance has been used widely for more than three years without any accidents to human beings, although a few domestic animals have been poisoned by it. Several thousand persons handled the chemical without skin irritation or other harmful effects. The Baltimore anti-rat campaign has so far resulted in the extermination of 95 per cent. of the city's rat population.

seem to be relatively immune, alpha naphthyl thiourea appears to be ideal for use in controlling rats in poultry runs.

TABLE II

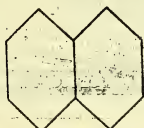
Estimated minimum amounts of alpha naphthyl thiourea required to kill 100 per cent. of certain animals and birds when given by mouth:—

ANIMAL	Amount of alpha naphthyl thiourea in mgm./kilo of body weight
Laboratory rat, adult (<i>Rattus norvegicus</i>)	6-8
Brown rat, adult, wild (<i>R. norvegicus</i>)	10
Brown rat, young wild (<i>R. norvegicus</i>)	20-50
Domestic dog (<i>Canis familiaris</i>)	50
Pig (<i>Suis scrofa</i>)	50*
Roof rat (<i>Rattus rattus subspecies</i>)	250 or higher
Squirrel (<i>Sciurus carolinensis</i>)	50-250
Rabbit (<i>Lepus</i>)	400 or higher
Guinea pig (<i>Cavia cobaya</i>)	400
Domestic cat (<i>Felis libyca domestica</i>)	1,000*
Domestic chicken (Barred Plymouth Rock)	5,000*
Monkey (<i>Macaca mulata</i>)	5,000*

*Data from C. P. Richter.

Methods of Use

Alpha naphthyl thiourea is a greyish powder, insoluble in water, non-volatile, and chemically stable. It has the following formula:—



Alpha naphthyl thiourea

The powder is blown into holes and burrows, and sifted along the runways of the common rat. Rats pick up the dust on their feet, lick it off and die within 12-48 hours. 100 per cent. exterminations of rat

infestations have been found to result in every trial in the series and no reinfestations occurred in the localities cleared for several months after treatment. The "tracking dust" treatment appears not only to exterminate existing infestations of rats, but also to protect against reinfestation, exerting a repellent or lethal action for a considerable time after application. A modification of the method is to place untreated attractive food in localities frequented by rats, dusting an area round the food so that rats must walk through the dust to reach the food.

The black rat (*Rattus rattus*)

A third method, which is not always so effective, is to incorporate alpha naphthyl thiourea in food baits such as moist sausage rusk. It is acceptable in baits at 1-3 per cent. concentrations. The higher concentration is recommended to ensure efficiency in killing young rats. It is important to pre-bait with untreated food for at least four nights before introducing the poison. Baits should be placed carefully near rat burrows and along runways, preferably behind boards or boxes.

Precautions

While alpha naphthyl thiourea is reasonably safe for the inexperienced layman to use, the following precautions should be taken when handling it:—

- (1) The substance should be kept out of the mouth and out of reach of children and domestic animals.
- (2) If it is used in baits, mixing equipment should be kept labelled plainly, and washed thoroughly after use. The equipment should not be used for other purposes.
- (3) Alpha naphthyl thiourea should not be allowed to come into contact with foodstuffs.

Alpha naphthyl thiourea may well be instrumental in reducing the brown rat population in this country to negligible proportions.

(Illustrations of rats by permission of the Trustees of the British Museum.)

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REPRESENTATIVES required by insecticide manufacturers for dog powder containing guaranteed 10 per cent. DDT. Good commission paid. Write giving full particulars to 169/690, C. & D. Office.

REPRESENTATIVES required on commission basis throughout Great Britain with live connections with the wholesale and retail grocers, stores and chemists for sound repeating household products. Only salesmen accustomed to large turnover need apply. Reply to Slip, 95 Victoria Street, S. Albans, Herts.

REPRESENTATIVES required by well-known manufacturers in all districts calling on chemists and hairdressers, to carry samples of perfumes, compounds, as a side line. Good commission. Write to 168/677, C. & D. Office.

REPRESENTATIVES required to carry additional line calling on chemists, stores, electrical shops. Commission basis. Must have good connection. 168/679, C. & D. Office.

REPRESENTATIVES required by two well known makers of toilet medicinal preparations. Must have good connection high class chemists, stores, etc. Car owners preferred. 169/687, C. & D. Office.

REPRESENTATIVES, 25 to 35 years of age, required by a London manufacturing house, to call on doctors, hospitals and chemists. Experience of medical propaganda an advantage, but not essential if trained in pharmacy. Territories vacant: (a) Northern Counties of England, Lancashire and Yorkshire to Border. (b) Cheshire, south to Warwick, Worcester and Hereford, and including Wales. (c) Derby, Notts, Lincoln, south to Berks, Bucks, Beds to Cambridge. Salary and travelling expenses. Apply with full particulars of experience, age, salary required, to 167/649, C. & D. Office.

REPRESENTATIVES required by manufacturers and distributors to the pharmaceutical trade, wholesale and retail, in the following areas: 1. Lancashire. 2. Yorkshire. 3. Northumberland, Durham, Westmorland and Cumberland. Resident on territory and sound personal connection essential. Salary, commission and expenses. Applicants must give full particulars, experience, age, etc., 167/651, C. & D. Office.

REPRESENTATIVES calling on retailers are invited to carry for own account at big discounts well-known nationally advertised quality product sold by chemists, etc. Big turnover can be expected now and in future. Write, stating territory covered, to 167/631, C. & D. Office.

REQUIRED by well-known manufacturing chemists a representative to cover the counties of Somerset, Wiltshire, Dorsetshire and Hampshire, calling upon chemists and allied trades with a well-advertised product. Remuneration by commission. Please send full details, stating other lines handled, to 167/641, C. & D. Office.

SURGICAL and chemists' sundries manager required to take sole charge of warehouse and staff, London district. Apply in confidence, 164/544, C. & D. Office.

THERE is an opportunity for a young pharmacist, with literary and artistic tastes, to join the advertising department of a well-known manufacturer of ethical pharmaceuticals stationed near London. A knowledge of typography, proof-reading, etc., would be an advantage, but is not essential. Apply, with full particulars, to 168/656, C. & D. Office.

WELL introduced sales representatives required for high-grade luxury toilet preparations (nationally advertised), to be carried as additional line on commission basis; to call on chemists, hairdressers and departmental stores for various provincial areas. Give references in first-letter and name present lines carried. 114/612, C. & D. Office.

WHOLESALE distributors require fully experienced travellers (preferably car owners) for various territories. Calling on first-class chemists, stores and hairdressers. Only men with sound long-established connections need apply. Salary, commission and expenses. Reply fully (in confidence) as to previous experience, age, territory covered, if car owner, and when available. 167/645, C. & D. Office.

YOUNG man, age 25-30, required by well-known firm of manufacturing chemists (London) as assistant to Chief Accountant and to take charge of sales ledger section of financial department. Applicants should have sound knowledge of accounts and be capable correspondent. Good prospects. Full details and salary required to 168/655, C. & D. Office.

WHOLESALE (OVERSEAS)

BRITISH pharmaceutical marketing company operating in the Middle East requires the services of a pharmacist as assistant to manager for administrative duties and propaganda. Single man, age 25 to 35 preferred. Applications stating age, details of career, qualifications, references and salary required, to be sent to 169/694, C. & D. Office.

CHEMISTS urgently required by large company operating in the Middle East. Will be employed either on development or process work and should be prepared initially to undertake shift work on process plant; should possess B.Sc. degree and preferably have had subsequent industrial experience. Age not over 30. Single men preferred. Starting salary not less than £500-600 p.a. according to qualifications, together with a generous allowance in local currency, also free furnished bachelor accommodation, free passages out and home; free medical attention; kit allowance; provident fund benefits. Applicants must be of full British parentage and should write stating age, qualifications and experience to Dept. F.18, 162/462, C. & D. Office.

MEDICAL representative required for South Africa by leading firm manufacturing Ethical Products. Applicants, who should preferably be between 30 and 40 years of age and hold a pharmaceutical or equivalent qualification must have initiative, self-reliance and enthusiasm. Previous experience as a representative not essential. A full course of training and some experience at home will be given to the man appointed before he goes overseas. Apply stating experience, qualifications, salary and reasons for wishing to go abroad, to 168/674, C. & D. Office.

PLANT chemists urgently required for process plant operation by large company operating in the Middle East. Applicants need not be graduates but should have had a chemical training up to Inter B.Sc. or National Certificate Standard with experience of shift work in either a gas, coke oven or chemical works. Age not over 30. Salary in sterling between £540 and £600 per annum plus generous allowances in local currency, with free furnished bachelor accommodation, passages out and home, medical attention, also kit allowance and provident fund benefits. Apply stating age, qualifications and experience, etc., to Dept. F.22, 162/461, C. & D. Office.

SITUATIONS WANTED

2/6 for 18 words or less, 1d. for every additional word

RETAIL (HOME)

LEEDS, Bradford district. Elderly, temporary or permanent. Free April 28th. Full particulars to F. B. di Menna, Chemist, 44 Fagley Road, Bradford.

WHOLESALE

ADVERTISER with long experience retail, manufacturing and production, cosmetics, toilets, requires part-time. Has office, phone, facilities for depot or light packing. West London. 168/652, C. & D. Office.

NEW ZEALANDER, 37, M.P.S. (reciprocal with Great Britain) coming to England later will be seeking executive position in manufacturing or export firm. At present owner of pharmacy and photographic business, also factory manufacturing medicinals and cordials, etc. First-class general business experience, including staff control and knowledge of New Zealand import requirements. Reply in first instance to M. Potter, 6 Broad Street Place, London, E.C.2.

SALES manager, qualified, with first-class experience, successful record, and highest references, seeks change. Capable complete control; advertising and buying experience. Present earnings £1,200 approx. 166/601, C. & D. Office.

SUPERVISOR with many years' experience desires position in London. 169/692, C. & D. Office.

WHOLESALE (OVERSEAS)

OVERSEAS representation, M.P.S., F.Chem.Soc. London, several years' experience S. Europe, N. Africa, etc., 5 years' commissioned service recent war, interpreter, anxious to increase our export drive, particularly in non-sterling areas, very steady habits, energetic and cautious, 46, married, speaks Italian, French, Spanish, Portuguese and fair Arabic. All round sound commercial experience and fine chemical and all associated industries from A to Z. Controlled several good firms' agencies and advertising. Would consider depot working for small group of non-competitive firms such as pharmaceutical, cosmetics, mineral water essences and machinery, photographic, soaps, etc. Middle East, S. America, Africa, or other locality considered. Free 4 to 6 weeks. At present abroad but released from Services. 166/589, C. & D. Office.

APPOINTMENTS

CROWN AGENTS FOR THE COLONIES

Applications from qualified candidates are invited for the following post:—

MEDICAL STOREKEEPER AND INSPECTING PHARMACIST required by the Government of Nigeria for the Medical Department for one tour of 18 to 24 months with prospects of pensionable employment. Commencing salary according to age and war service in the scale £450, rising to £825 a year. In addition expatriation pay is payable varying between £150 and £250 according to basic salary. Outfit allowance of £60. Free passages. Candidates preferably not over 35 years of age should be members of the Pharmaceutical Society; have had experience in a large retail drug store and in the supply and handling of surgical instruments and dressings; and be capable of taking charge of a large medical store entailing a competent knowledge of storekeeping. Apply at once by letter, stating age, whether married or single and full particulars of qualifications and experience, and mentioning this paper, to the Crown Agents for the Colonies, 4 Millbank, London, S.W.1, quoting M/N/17053 on both letter and envelope.

LONDON COUNTY COUNCIL

PART-TIME ASSISTANT PHARMACIST required for duty at Tooting Bec Hospital, Tooting Bec Road, S.W.17. Candidates must be Registered Pharmacists. Salary: five shillings an hour for a maximum of 21 hours a week. Apply to Medical Officer of Health (MHS/I), Public Health Department (Mental Health Services), County Hall, Westminster Bridge, S.E.1. (1186.)

KENT COUNTY COUNCIL

ASSISTANT PHARMACIST

Applications are invited for the following appointment at the County Pharmacy, County Hall, Maidstone.

ASSISTANT PHARMACIST (M.P.S. or Ph.C.) (Male) Hospital experience preferred. Salary £370 a year by four increments of £15 and one of £20 to £450 a year. Superannuation. Medical examination necessary.

Applications, stating age, qualifications, experience and the names and addresses of two responsible persons to whom reference may be made as to professional ability, to be sent to the County Medical Officer, County Hall, Maidstone, as soon as possible.

W. L. PLATTS,
Clerk of the County Council.

County Hall,
Maidstone.

10th April, 1947.

MIDDLESEX COUNTY COUNCIL

TWO ASSISTANT PHARMACISTS—RED-HILL COUNTY HOSPITAL, Edgware, Mx. Registered pharmacists essential. Salary £370 incl. annual increments up to £450 p.a. considered. Whole-time, established, pensionable, subject to medical exam. Application, stating age, qualifications, experience, with copies of up to 3 recent testimonials to **MEDICAL DIRECTOR** of Hospital **IMMEDIATELY**. (Quote B617 CD.)

LONDON JEWISH HOSPITAL,

STEPNEY GREEN, E.1.

A qualified Assistant Pharmacist, female, required.

Salary in accordance with J.N.C. scale.

Applications, with full particulars, to the Pharmacist.

PHARMACIST'S ASSISTANT (M.P.S.) required for locum duty from 2nd June to 27th September, 1947. Salary according to the scale of the Guild of Public Pharmacists. Applications, with full particulars, to be made in writing to The Secretary-Superintendent, Royal Gwent Hospital, Newport, Mon.

ROMFORD JOINT HOSPITAL BOARD

RUSH GREEN EMERGENCY HOSPITAL,
ROMFORD

APPOINTMENT OF PHARMACIST

Applications are invited for the post of whole-time Pharmacist, male or female, at the above Hospital. Salary at the rate of £420 per annum, rising by 5 annual increments of £15 to a maximum of £495 per annum. In the case of women applicants resident accommodation, for which a charge will be made, can be provided.

The appointment is subject to one month's notice on either side and to the provisions of the Local Government Superannuation Act, 1937.

Applications, stating name, age, nationality, qualifications and experience, together with copies of two testimonials, to be sent to the Clerk of the Board, Rush Green Hospital, Romford.

ERNEST E. TAYLOR,
Clerk of the Board.

Clerk's Office,
Rush Green Hospital,
ROMFORD, Essex.

ROYAL NORTHERN HOSPITAL, HOLLOWAY, LONDON, N.7

Required, lady with Apothecary Hall qualification to assist in the Dispensary and with clerical duties of the Department. Salary £270-£320 according to experience. Applications, together with copies of recent testimonials, should be sent to the undersigned.

GILBERT G. PANTER.

Secretary.

SURREY COUNTY COUNCIL

ASSISTANT PHARMACIST required at:—Epsom County Hospital, Dorking Road, Epsom; St. Peter's Hospital, Chertsey. Commencing salary on grade £370 x £15—£430 x £20—£450 p.a. inclusive. Applications in writing stating age, qualifications and experience with a copy of not more than three recent testimonials should be sent to the Medical Superintendent of appropriate hospital.

STAFFORDSHIRE GENERAL INFIRMARY, STAFFORD

LOCUM PHARMACIST required for period 15th to 22nd May, 1947, also for two weeks later, or offers to cover the full period of three weeks, at dates to be arranged. Applications to the undersigned should be sent forthwith.

A. E. COLLINS.

Secretary.

April, 1947.

AGENCIES

1/6 for 36 words or less, 3d. for every additional word

AGENT or sole buying agent wanted in London for sale of "Cheribel," "Gingex" and "Raspep" tonic beverages. Approved and licensed by Ministry of Food. Distribution through wholesale only. Excellent terms and commission. Apply Alex. Stephen & Son, Manufacturing Chemists, 26 John Street, Aberdeen.

BRITISH manufacturers recommend Oslo agent with strong connections druggists' sundries throughout Norway. Particularly interested in bandages, surgical sheeting, thermometers, razor blades, hair, tooth and shaving brushes. Write Box 946, Mason-Peacock, Ltd., 184 Strand, London, W.C.2.

BUYING Agent with establishment in Düsseldorf, Frankfurt/Main and Willingen/Waldeck, with agents in all German zones wishes to make contact with British Importers of wide variety of equipment and goods. Highly recommended. Please communicate in the first instance with Henry I. Sydney & Co., Solicitors, 2 Renfrew Road, S.E.11.

EGYPT. Manufacturers' representative, well introduced through chemists and druggists in Egypt requires additional agencies for fine chemicals, medicinal specialties and rubber products from U.K., Europe, U.S.A. Write to Rene Anhoury, P.O.B. 27, Cairo, Egypt.

EXPORT markets. Established company with several well advertised toilet products is anxious to extend further its export trade. Keen, able concern, prepared to handle on an exclusive agency basis is preferred. Replies in confidence, stating market concerned. 168/682, C. & D. Office.

WE offer our organisations as representatives for all types of merchandise suitable for the Canadian market. British references on request. Write The Stanley Distributing Company, 353 St. Nicholas Street, Montreal.

BUSINESS OPPORTUNITIES

12/6 for 36 words or less, 3d. for every additional word

A MORTGAGE ADVANCE on your house, shop, or other property, is the cheapest, safest way or raising capital. Loans on today's higher valuations repay existing mortgage (if any), providing cash balance. Repayment up to 25 years; 4 per cent. per annum interest. Debt cancelled in event death; additional income tax rebates; net monthly cost from 8/10 per £100 advanced. Low initial expenses. Also better mortgages for purchasers; full price advanced to tenants buying private house now rented. Any part U.K. Free advice or quotation (state age, and brief details) from leading City Mortgage Brokers. Andrews and Partners, Dept. T.3, 38 Great St. Helen's, Bishopsgate, E.C.3. (AVenue 2808/9).

AUSTRALIA. Old-established firm of distributing Agents handling ethical and advertised medicinal proprietaries, cosmetic and toilet lines open to consider additional reputable agencies. Technical Director of company will visit England during April, May. Interested firms please advise "Ajax," 164/534, C. & D. Office.

GENTLEMAN holding the goodwill Regd. name and Ltd. Co., of a Patent (Tablet) medicine, that has been nationally advertised with great success, seeks to contact a concern with machinery and organisation willing to make and market the commodity. Enquiries from Principals or their Solicitors, to E. Harris, 1, Todd Street, Manchester, 3.

NATION-WIDE sales organisation with remarkable record of successful merchandising is open to consider one or two lines. Only branded lines offering possibilities of big permanent business are of interest. Box S.551, c/o Erwoods, Ltd., 211 Piccadilly, London, W.1.

STOCKTAKING, quiet and efficient workmanship. Over 30 years' practical experience chemists. Own stock sheets worked out. C. W. Playfoot, 8 Aylward Road, Merton Park, S.W.20. Tel. Liberty 4104.

BUSINESSES FOR DISPOSAL

7/6 for 40 words or less, 2d. for every additional word

COSMETIC company with minimum quota and substantial additional bonus quota for sale. No other assets or liabilities. Offers invited. 168/666, C. & D. Office.

FOR sale, small cosmetic business and premises with toilet quota. Central address. Low rental and overheads. Write in full confidence. 152/135, C. & D. Office.

HALF-SHARE, owing to illness, is offered in a prosperous old-established food manufacturing and distributing limited company near Lancashire coast. Substantial assets and net profits. Certified figures. Option to purchase outright later given. Capital required £2,500. 167/642, C. & D. Office.

TO whom it may concern, a prosperous and profitable business to be sold. Situated in main road, W.6. Sole reason for selling, age and retirement. Capital required for goodwill, stock, fixtures and fittings, registered trade marks included, approximately £4,500. Quotas from all leading houses. Also the freehold property can be bought £5,000 or will let on lease. Further particulars to actual buyer. Apply 159/360, C. & D. Office. At present run as a drug store. Old established.

BUSINESSES WANTED

7/6 for 40 words or less, 2d. for every additional word

A DRUG store (or chemists) is wanted with a turnover of about £140 per week in West, South-west or South London. Must have living accommodation available above. Particulars, price required and address of business in confidence, to 168/683, C. & D. Office.

FINANCIAL HOLDING COMPANY seeks to purchase outright, or acquire the controlling interest in an established pharmaceutical business, marketing one or more nationally advertised lines, and making substantial profits. The purchase of a business dealing in toilet articles and cosmetics would also be considered. Existing management could be retained on a long term contract if considered desirable. Write in strict confidence to 166/598, C. & D. Office.

WANTED

7/6 for 36 words or less, 2d. for every additional word

A BIG price offered for home cines, cameras, or projectors. Bell-Howell, Kodak, G.B., etc. Also Leica, Contax and other precision cameras, enlargers, exposure meters, etc. Prompt cash. Wallace Heaton, Ltd., 126-7 New Bond Street, London, W.1.

AUTOMATIC cream filler wanted at once; big price paid. Shavex Co., Bavaria Road, Holmway, N.15.

EDIBLE sheet and powdered gelatin required in large quantities. 147/851, C. & D. Office.

GLYCERINE wanted, any quantities taken of B.P. quality. Cash by return. State quantity available and price required to 157/256, C. & D. Office.

MANUFACTURERS of reliable lathering wet shampoo in bulk are invited to forward samples and prices to I. Rabin & Co., Chemists' and Hairdressers' Sundriesmen, of 59 Carysfort Road, Stoke Newington, London, N.16.

MANUFACTURERS require supplies of Stearic Acid and Glycerine, B.P. Best prices paid for any quantity. Write, 166/614, C. & D. Office.

REQUIRED urgently, saccharin and sweetening tablets, bulk or packed. Best price paid against pro-forma invoice. J. Thomas (Garstang), Ltd., Market Place, Garstang, Nr. Preston.

SACCHARIN Tablets. Pharmacist, proprietor of a good-class single pharmacy, would be glad to obtain regular supplies of standard strength saccharin tablets in bulk or packed. Write in strictest confidence to 166/605, C. & D. Office.

SACCHARIN tablets. We would appreciate regular supplies bulk or packed, standard strength tablets for cash. E. J. Latimer & Son, Chemists, 24 Market Place, Loughborough, Leics.

SACCHARINE tablets wanted. British Standard. £350 offered per million. Please enclose sample, if possible. 168/667, C. & D. Office.

SODIUM carbonate exsic wanted. Any quantity up to 2 tons. Scientific Chemical Mfg. Co., 2 Prebend Street, Leicester.

STEARIC acid triple pressed required in large quantities. 147/850, C. & D. Office.

WANTED. Saccharin and sweetening tablets. Any quantity taken. A. C. Withers, M.P.S., Chemist, 45 Rosemary Road, Clacton-on-Sea, Essex.

WANTED. One million lots or less. Saccharin tablets. Best prices paid. Cheque against pro-forma. Francis & Co., Chemists, Wrexham.

2 OZ., 3 oz., 4 oz. ribbed ovals urgently required (new or used). Please state quantity available price, date of delivery, etc. Ulster Chemists, Ltd., 210 Grosvenor Road, Belfast.

26 OZ. and 13-oz. wine or champagne bottle required. 625/524, C. & D. Office.

MISCELLANEOUS SALES

12/6 for 36 words or less, 3d. for every additional word

BUYERS of Tophosanyl are invited to make reasonable bid for 150 boxes each containing 5 ampoules of 10 cc. each for immediate delivery. Surplus because of default on order. Apply to 167/650, C. & D. Office.

FOR disposal. 100 gross, tablet bottles no. 5 surplus stock; 50 ozs. ephedrine HCl; 100 ozs. phenobarbitone acid and soda, also tablets. Offer to O.C.P., Drayton House, Gordon Street, W.C.1.

FOR sale ca. 90,000 white waxed bags, size 3½ x 2½ 7/9 1,000. All ½ in. ungummed flaps. Collect London. 168/669, C. & D. Office.

FOR Sale. Sodium salicylate in cwt. lots M. Calthorpe & Co., Manufacturing Chemists Ossett, Yorks.

FOR sale. ½ oz. and 1 oz. vials. 1 drum of terpinolene. 8 drums of pine fluid. 169/686, C. & D. Office.

GENUINE Egyptian Henna, surplus to requirements, available in bulk quantities at 6/- per lb. 166/608, C. & D. Office.

OIL. White mineral oil, surplus for disposal. gal cans. Carriage paid. Cans free. 12/- per gal. M. E. & Co., Ltd., 589 High Road, London N.12. Hil 5806.

SMALL surplus. Bottles for sale. 1-oz. medical flats with metal caps, 2-oz. medical flats with Bakelite caps. Considerable quantities ex stock London. 168/670, C. & D. Office.

STOCKS to clear. ½ ton gammexane dust, D.034 40 gross 6-oz. slip-on-lid tins, 4½ in. x 1 in. 5 gal. drums of mineral oil; ½ ton Egyptian henna L.L.N., Albermarle House, Anlaby Road, Hull.

SURPLUS to requirements, about 1,000 lb. pure meta cresol, offered at 4/- lb. delivered 168/673, C. & D. Office.

SURPLUS stock. 6½ cwt. white B.P. Petroleum Jelly. 3 cwt. white B.P.-bleached Beeswax 28 lb. Nipagin M. 3 drums Technical White Oil What offers? Apply 167/625, C. & D. Office.

SURPLUS. Progesterone crystals. 500 gram available prompt delivery. Apply, 167/644 C. & D. Office.

SURPLUS stock for sale. 1½ cwt. carnauba wax fatty grey, 1½ cwt. carnauba wax prime yellow 1½ cwt. stearine wax. Write Fubex, Ltd., 27 Albermarle Street, W.1. Reference PDM.

WHITE mineral oil available for immediate delivery; 43 gallon drums. 10/- gallon. Carriage paid. Drum £1. Credited on return. C.W.O. Enquiries to Willsons, Manufacturing Chemists, High Road, Balby, Doncaster.

50 GROSS 3-dram nail varnish bottles, complete with caps. 168/673, C. & D. Office.

500 GROSS 3½-oz. toilet bottles without caps available for immediate delivery. 167/646 C. & D. Office.

EXPORT TRADE

EXPORT. Manufacturer of exquisite perfumes surpassing Parisian products, also full range of exclusive beauty preparations, face creams, face powder, talcum powder, baby powder, block rouge, lipsticks and mascara, at competitive prices, invite enquiries from interested exporters. 168/678, C. & D. Office.

THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

or RETAILER—WHOLESALE—MANUFACTURER

Circulates throughout the Pharmaceutical, Chemical, Drug, Essential Oil, Perfumery, Cosmetic, Toilet Preparation and allied Trades and Industries in Great Britain, Eire, British Empire, and foreign countries

Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire.

VOL. CXLVII APRIL 26, 1947 NO. 3505

Revising a Constitution

THE proposals of the Council of the Pharmaceutical Society for revising the Society's constitution (summarised on pp. 437-38 of last week's issue) will no doubt be carefully studied, and should evoke some valuable comments. The proposals are set forth in an able document which is apparently based on the report of the Committee of Inquiry of 1937, published in two parts in 1939 and 1941. As is well known, existing anomalies in the Society's constitution arise from the fact that the oldest part of its basis, the first Charter, dates from 1843, when the conditions of pharmacy in this country differed in several respects from those of today. We congratulate the Council on its intention to discard the ambiguous expression of 1843, "the protection of those who carry on the business of chemists and druggists," a phrase that brought about the case of Jenkins versus Pharmaceutical Society of Great Britain in 1920 and the consequent formation of the National Pharmaceutical Union (under its earlier title, the Retail Pharmacists' Union). As we remarked when the Union came of age in 1942, this firmly established organisation is actively supported by most independent pharmacists, and when matters of policy have arisen has used its strength, and influence in a wise and forceful manner, not only in the interests of its members but to the benefit of pharmacy as a whole. We may therefore take it for granted that any changes effected in the Pharmaceutical Society's powers and duties will not trench on the province of the Union.

We are unable to gather from the text of the Council's present proposals a clear idea of how they are to be given final sanction. Some of the new bylaws foreshadowed will obviously need to be based on either a supplementary charter (for we assume that the first Charter will remain) or on a new Act of Parliament. A little light on this important aspect of the matter may be obtained from Part II of the Committee of Inquiry's report. Dealing with the "general position" of the Society, the Committee stated:

"The divided origin—Charter and Statute—of the Society's objects corresponds to a broad division in character between them. The Charter objects are concerned with furthering the interests of pharmacy as a branch of knowledge, as a profession, and as a means of livelihood, and involving as they do both the framing and the application of policy may appropriately be described as 'principal' objects. The statutory objects are concerned with the administration of Acts of Parliament affecting pharmacy and involve the application of policy, which is decided not by the Society but by Parliament or a Minister or Department of State and may be appropriately described as 'subordinate' objects. The Charter and Statutory objects, however, are not completely divided on this basis; for example, the holding of the Statutory examinations partakes of the character of both a 'principal' and a 'subordinate' object. . . ."

Even if we agreed with what we regard as an artificial classification, we should still call attention to the last sentence of our quotation, admitting that the objects of the Society are not completely divided on the basis mentioned. Having taken into consideration all relevant factors that occur to us—others may come to light—we are of opinion that the Council will do well to drop the idea of a supplementary charter, if this is contemplated, and have the requisite authority for such changes as may be desirable embodied in a short Act of Parliament. We are not thinking of a possible difference in cost (though in these times neither individuals nor societies can afford to ignore expenditure), but of such points as the difficulty of preventing overlapping and of synchronising the coming into force of separate legal instruments. We may recall that in Part I of its report the Committee of Inquiry claimed that the Society has usually been able to secure Government support for its measures if they have been concerned solely with matters internal to pharmacy and duly supported.

The powers which the Council proposes to assume for regulating many of its functions by means of new bylaws should be carefully scrutinised by the branch delegates before they are invited to discuss them. It must not be forgotten that the scope of any bylaw has its limits. Under the heading "Corporations" in Halsbury's Laws of England (VIII.314ff.) it is explained that a bylaw must not be opposed to the constitution of a corporation; that it cannot remedy a defect in that constitution; that it cannot increase, though it may lessen, the powers given to the corporation; that it must be reasonable; and that it must not be repugnant to the general law. Once the power of making the proposed bylaws is granted, only the check of the Privy Council remains, though, indeed, the addition of three more nominees of that body promises to introduce a further element of balance into the composition of the Council. The expression "'colonial' pharmacists or others" (p. 437, col. 2) needs clarification. In this connection we submit that every effort should be made to have Section 4(b) of the Poisons and Pharmacy Act of 1908 repealed. Pharmacists who have passed middle life are not likely to forget the bitterness of the controversy that arose in 1919 over this subsection when apothecaries' assistants were admitted to the Register of Chemists and Druggists. Permissive though it is in form, this or any similar enactment may at some future time occasion a crisis of the utmost severity. Even now the position is that a subsection of an Act nearly forty years old contains a threat of "qualified military dispensers" being forced into membership of the Pharmaceutical Society without examination. Without attempting to deal with every detail of the Council's proposals, we may record a considerable measure of agreement with them, and commend to the consideration of the branches such points as the wording of the objects of the Society, a wording which will presumably have to serve for many years.

Imports from Germany

FOLLOWING a recent announcement by the Board of Trade that private trading with Germany was to be resumed as from March 4 (*C. & D.*, March 16, p. 267), we have

received a number of inquiries as to whether bulk quantities of German cameras and photographic equipment are now being brought into this country. We have been unable to confirm the rumour, which seems to be widespread in the photographic trade and are advised that sanction has not been given to permit the import of such goods from Germany, nor is such action contemplated.

It is understood that the authorities in the American zone of occupied territory have agreed to the export to America of an unspecified quantity of German cameras but there is no evidence of a similar action on the part of the Control authorities in the British zone. The Board of Trade's notice referred to above specified that the lifting of the Trading with the Enemy Regulations was restricted to essential goods such as, "machinery and other industrial equipment and chemicals" and we understand it is unlikely that licences will be granted to permit the import of goods of any other class.

Purchase Tax and Notional Price

A PURCHASE-TAX point that appears to be enveloped in some obscurity concerns the price upon which the tax is computed. With manufactured goods there is a recognised price at which the wholesaler supplies to the retailer, and here the appropriate rate is added as a percentage of the wholesale price. With other commodities the price is less clear-cut, and a "notional" price has to be fixed by agreement between the wholesaler and the Customs and Excise authorities. It may happen that conditions arise in which the authorities, after inquiries throughout the trade, consider that the price upon which tax is levied should be advanced, in view of changed world commodity prices or some other factor. A case in point is floral concentrates and certain other perfumery raw materials which, in accordance with the normal procedure, have recently been subjected to an "uplift" of 25 per cent. Although the apparent effect is to increase the rate of purchase tax to 125 per cent., subscribers should note that the increase is in basic ("notional") price and that the rate of tax for these goods is unchanged at 100 per cent.

RETAIL TRADE RETURNS

BOARD of Trade returns of the sales of independent chemists in February were approximately the same as in January, but were 11 per cent. above the level of February 1946. Sales in the South of England, from which the greatest number of returns were received, were 15 per cent. higher than a year ago. Increases for the North-east, North-west and the Midlands and South Wales areas were 6, 8 and 10 per cent. respectively. An increase of 9 per cent., compared with the previous year, is shown for the sales of chemists' wares by large-scale retailers.

With the beginning of a new trading year the Bank of England schedule of statistics of retail trade has been enlarged and will in future be compiled on the same basis as the Board of Trade statistics for independent retailers. The old "fancy departments" classification will be split up into categories, one of which will be known as "Pharmacy, Toilet and Photographic goods." It will have three sections: (a) Pharmacy, to include medical, surgical and therapeutic goods, and chemists' sundries; (b) Toilet and Cosmetics, to include toilet soaps, toilet preparations and requisites, cosmetics and perfumery; (c) Photographic and Optical, to include cameras, films, etc., photographic printing, and optical goods.

PASTEUR EXHIBITION

A PASTEUR exhibition recently opened at the Science Museum, South Kensington, London, by Professor Sir Alexander Fleming, illustrates the life and work of a man who commenced life as the son of a tanner, studied and specialised in chemistry and physics, and, through vision and assiduity, paved the way for the present conceptions of stereochemistry, serotherapy, prophylaxis and asepsis, and for new developments in the fermentation, brewing, wine, and silk-worm rearing industries.

Pasteur's first discovery was of dissymmetry in crystals of tartaric acid, and that the solutions of the two types of crystals rotated the plane of polarised light in opposite directions. This work is illustrated at the exhibition by original letters to Kestner and others, and plastic models of unsuperimposable crystals of tartaric acid. His preparation of racemic acid gained him a prize of 1,500 francs from the Pharmaceutical Society of Paris.

In 1873 he was elected (by a majority of one vote) to the Paris Académie de Médecine, and commenced his celebrated

work on anthrax, and on the production of vaccines by attenuated strains (grown at a higher temperature than normal). His studies included also work on rabies, gas gangrene, and the organisms of boils, puerperal fever, and chicken cholera. He showed that a temperature of 115°C. was necessary to destroy certain bacteria, an observation that led to the invention of the autoclave and the improvement of the "pasteurisation" technique.

Of pharmaceutical interest is an exhibited facsimile (supplied by the Wellcome Historical Medical Museum) of an apparatus used by Pasteur for replacing steam in sterile flasks with sterile air (i.e. air passed through a red-hot tube). The exhibition, shown in Paris in 1946, was planned by the United Nations Educational, Scientific and Cultural Organisation. It will remain open until May 26. Admission is free.

CHEMISTS FEDERATION

A MEETING of the Chemists Federation Council was held on April 9, Alderman W. J. Tristram (president) in the chair. The meeting was preceded by a meeting of the Chemists Federation Standards Committee.

The Council received and considered a comprehensive report upon the work undertaken by the Standards Committee during the year concerning the examination of products accepted for inclusion in the Chemists Federation list before the establishment of the Standards Committee. The report, with slight modification, was adopted by the Council.

A report was received of the meeting of the C.F. Standards Committee, and its recommendations were approved and adopted. Four applications for manufacturer membership of the Federation were deferred to enable the secretary to discuss with the manufacturers concerned the claims made for the products.

Consideration of four applications for wholesaler membership of the Federation was deferred until the next meeting of the Council, to await a report from an *ad hoc* subcommittee appointed to review existing arrangements for the wholesale distribution of C.F. products and the appointment of approved C.F. wholesalers in general.

The appointment of Miss A. E. Strachan as secretary of the Northern Ireland C.F. Committee was confirmed. Other matters discussed by the Council included the supply of C.F. products to unqualified traders by a firm of retail chemists, and the C.F. Publicity and Propaganda Fund.

COUNCIL CANDIDATES

Brief biographical details and statements from some of the candidates in the election of seven members to the Pharmaceutical Society's Council, May 21, 1947. See also *C. & D.*, April 19, p. 430. Voting papers must be received at 17 Bloomsbury Square London, W.C.1, not later than 12 noon on May 21.

EACH candidate was invited to send in for publication a statement of policy not exceeding 200 words.

MELHUISH, Andrew Ralph



A PAST-PRESIDENT of the Pharmaceutical Society. Member of the following committees: Statutory and Codex, Establishment and Joint Schools. A past-chairman of the British Pharmaceutical Conference. Formerly on board of examiners. A past - chairman and now treasurer, N.P.U. A past -

chairman, London Insurance Committee. Member of the Joint Committee on a National Pharmaceutical service, and of the Negotiating Committee. Chairman, Central N.H.I. Committee.

This year I venture to think that our members have two major problems confronting them: the new health service; and the educational policy for pharmacy. With regard to the new health service, it is for us who are serving on the Joint Committee and on the Negotiating Committee to be very much alive to this opportunity to obtain fair regulations and remuneration. Special attention should be directed to the many difficulties connected with a service in the rural areas.

With regard to educational policy, I hold the view that we must not lag behind the very evident advances in medical and scientific treatment and it is certain that a fully developed National Health Service, with competitive health centres, will make greater and progressive demands for scientific pharmacy. That being so, I think we should raise the standard of our qualifying examination, allowing as much time as possible for the readjustment of conditions as we find them today after seven years war. If elected I shall use all my efforts and experience on the Council and as a practising pharmacist for the advancement of our calling.

MURRAY, Ranald MacDonald

Occupied wholly in pharmacy. For the past twenty-two years employed with Mr. W. T. Coltman, M.P.S., Middlesbrough. Served two years as president of the Middlesbrough and District Pharmacists' Association and as local P.A.T.A. secretary. Secretary of the Tees-side Branch,



Pharmaceutical Society, for the past fifteen years. Served as branch delegate at many conferences, and was secretary of the branch committee which formulated pharmacy's first code of ethics. Served on the Society's Council, 1944-46, and was a member of the Organisation, Finance, Public Services, and of the Benevolent Fund Committees.

My past efforts in pharmacy have been largely directed towards securing for pharmacy a code of ethics; the appointment of a public relations officer; the discontinuance of advertisements which, for gain, engendered in the public mind a fear of inaccurate dispensing.

I maintain: (1) That progress in education should be sound, not rapid. (2) That the Society should place before the Ministry of Health a clear statement of its responsibilities to the public and its members (which includes recruitment to the profession), and demand an adequate professional dispensing fee. (3) We must consistently bring to the notice of allied professions a better understanding of the profession of pharmacy. (4) The future of pharmacy lies largely in the hands of the younger members, and we should make it economically possible for them to be represented on the Council. (5) Greater freedom should be granted the Press in reporting Council activities. (6) The crippling effect on the Society's finances of running a College of Pharmacy is a major problem, and a reorientation of policy in this direction is imperative.

ARRY, Lewis Moreton

OUT of some forty-five years in retail pharmacy (at home and abroad), I have served for thirty-four years on the Council of the Society (more than any other serving member).

The change in constitution of the Council in recent years, due to the retirement of the older members, is being made

manifest by the revolutionary and somewhat disturbing changes which are now being disclosed. The changes may be good or bad, but they require careful watching in the light of past experience. Few of the older men now remain in office, and, as new problems are increasing in complexity, it is important to retain on the Council men with an intimate knowledge of pharmacy affairs, who have in the past proved worthy of confidence. Properly handled, the new constitution and educational changes may prove priceless weapons, but they are all prone to error, and a mistake at this stage might easily have disastrous consequences.

ROSS-MANSELL, John

PAST hospital and manufacturing experience; now commencing in retail practice. Author of many articles in the technical Press. Editor of "The Pharmacist-Optician." Honorary secretary and registrar, the Institute of Chemists-Opticians.

The Council desperately needs younger men with executive and negotiating experience, and with the energy and enthusiasm to put an end to the everlasting policy of drift and negation. I want to make pharmacy safe for the pharmacist. I desire and will work for a realistic educational policy. Before we all start wearing caps and gowns and introducing multi-portal entry, let us so determine the status and remuneration of the pharmacist, em-

ployee and self-employed alike, that we have well-nourished bodies to put inside the gowns.

I press for intelligent control of the Society's finances. I ask for full publicity of all the Council's affairs. In other words, let us know what is being done, and who are the members of Council responsible for the decisions made.

Pharmacy cries aloud for virile leadership from men and women who are fed up with the door-mat mentality of the majority of our pharmaceutical politicians.

I have proved to the satisfaction (or discomfiture) of the committees on which I serve that I do not tolerate platitudes or soporifics; that although I may be in a minority of one, I can go down fighting. I stand for a New Deal for Pharmacy. Will you help?

STEINMAN, Harry

QUALIFIED 1927.

Actively engaged in retail pharmacy; proprietor pharmacist since 1934. Chairman of the National Pharmaceutical Union; the Chemists' Defence Association; the Chemists' Mutual Insurance Co., Ltd. Vice-chairman of the Chemists' Sick-ness and Provident Society; member of the Central N.H.I., and Business Purchase and Guarantee Fund Committees; member of the Joint Committee on a National Pharmaceutical Service, and of the Liaison Committee with the British Medical Association; vice-president, Manchester Pharmaceutical Association; vice-chairman, Manchester Branch of the Society; vice-chairman, Manchester Pharmaceutical Committee; twice chairman of the local branch of the N.P.U., and twice chairman of the Manchester Pharmaceutical Association (Junior Branch).



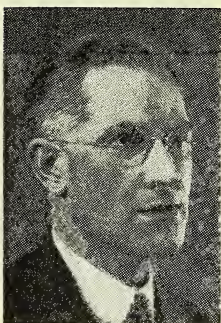
I have the support of the above Manchester pharmaceutical organisations and see no reason to depart from the policy I put forward last year.

The greatest opportunity ever offered to pharmacy lies within the coming National Health Service. It will be our primary duty to provide the public with the finest and most efficient pharmaceutical service possible. I believe that retail pharmacy

can be used to provide that service, but it must be efficient. As the leader of the deputation which recently secured a 30 per cent. on-cost in the supply of drugs and appliances, etc., under the N.H.I., I feel that there is, in circles that matter, a much better appreciation of our service than ever before. We must be constantly alert to ensure pharmaceutical representation whenever pharmaceutical problems are likely to arise.

I agree that education is invaluable but our minimum qualification should be such that, when qualified, the pharmacist can apply for, and hold down, any pharmaceutical appointment, be it retail, hospital, wholesale or manufacturing. The tendency of the Council, either by inference or design to depreciate the present qualification of the chemist and druggist must certainly cease.

WALLIS, Thomas George Fernley C.



LAST year it was my privilege and honour to receive no fewer than 2,532 votes in the Council election, and I have the full support of Plymouth Branch. Qualified in 1914, I have been a proprietor pharmacist ever since. Have been president of the local branch of the Pharmaceutical

Society, chairman of the local branch, National Pharmaceutical Union, and serve on numerous committees (Rotary, hospitals, etc.). Many problems of outstanding importance loom ahead: Health service; education; the Society's college; reorganisation of branches; review of Society's constitution. If elected, I should strive for pharmacy as a whole, endeavouring to promote the good of the many, and opposing the interests of the few. I should aim at:—A high standard of living for all pharmacists, whether proprietors, independents, managers, or assistants; maintenance of pharmacy as a profession; upholding the status of teachers of pharmacy; more refresher courses; closer co-operation between manufacturers, wholesalers and retailers of "ethical" preparations; true co-ordination of all things concerning the pharmaceutical profession.

WELLS, Frederick George

QUALIFIED 1911.

Been in retail business all my life, and still take an active part. Past president, South-west London Chemists' Association, and also the West Middlesex Branch. Member of Council since 1928. Vice-president for four years, and president 1944 - 45. Member of Joint Committee on National Pharmaceutical Society. Past chairman of Middlesex Pharmaceutical Committee, and still an active member. Policy:—I am out to obtain the best possible terms for pharmacists under the new National Health Service. They should be commensurate with the professional status of the calling and give an adequate return for the services given. The dispensing department should function as a separate entity and not be dependent upon the other departments of the pharmacy as it is at present. Education: I am heartily in agreement that the student should have the best possible training. The suggestion of a two year course for the qualifying examination is sound but the return after qualification does not warrant the extension to three years. It will, in my opinion, have an adverse effect on the entrants into pharmacy. When president I gave the pledge that the Society's Charter would be revised and brought up to date. This has not been done and the suggested revision will be brought before the Representatives' meeting in September. As chairman of the Organisation Committee I am in favour of the branches being consulted on every possible occasion. If re-elected it will be my endeavour to continue to look after the interests of the man in business and by that I mean the employee as well as the employer, for the welfare of pharmacy is dependent upon the one as the other.



Unkind Cut.—Reply from a Manchester laboratory to Brentwood (Essex) manufacturing chemists, who submitted D.D.T. coated flypapers for tests: "We regret there will be some delay . . . as, electric current having been cut off, our large stock of flies has died." William Hickey in the "Daily Express."

CORRESPONDENCE

Purchase Tax Payments

SIR,—In your issue of April 19 (p. 420) the Commissioners of Customs and Excise are recorded as stating that "No rebate can be claimed in respect of goods on which tax has been paid at a higher rate." Why? Why? Why? Why should retailers have to bear the loss—how can they dispose of their stocks unless they sell them at the reduced (tax-deducted) price? It should be simple for all retailers to give a return of their stocks, and be repaid the excess.

S. E. A.

Controls in the Argentine

SIR,—In view of your article "Controls in Argentine" (*C. & D.*, February 8, p. 193), I take the liberty of sending you further details of the decree, which is really a follow-up of the original one, No. 8891, of September 16, 1943, simplified, with many points of the former eliminated, and introducing for the first time the "State-owned" or "Emesta" products. It is not quite correct and could be misleading to state that the new legislation does not lay down the margins of profit for manufacturers and importers, as these margins were established by the earlier decree. When products are presented to the National Health Authorities (*Secretaria de Salud Publica de la Nacion*) for registration, a special form has to be filled in showing a step-by-step calculation of the price. As a starting point, national manufacturers are allowed to take their cost price, and importers their net landed cost, which they may be called upon to prove by producing consular invoices. To this sum they may add the following maximum percentages: 25 for administration expenses; 15 for propaganda (cost of specimens, literature, medical Press advertising, etc.); and 15 net profit for local manufacturers. Importers are allowed 6 per cent. instead of 15 per cent. Should the product have an expiration date, an additional 15 per cent. may be added, to cover losses suffered through changing the stock of expired products, which is obligatory. It is also the custom to add $1\frac{1}{4}$ per cent. of the price to wholesale druggists, for sales tax. The statement that suppliers of chemists' shops receive a 10 per cent. profit, and the chemists themselves 25 per cent., also requires clarifying, as the margin of profit must be calculated not on cost price but on price to consumer. Compared with percentages based on cost price, both the

chemist and wholesaler receive a more favourable margin than that indicated. Where consumer price is concerned, the control is effected by the authorities, who approve the declaration of costs and prices when registering the product. This price, less 35 per cent., becomes the manufacturer's or importer's price to the wholesale druggist, who in turn invoices the retail chemist at the authorised consumer price, less 25 per cent. All invoicing must be done net, and no other benefits may be made in cash or goods. Prices are stamped on the carton or label, and are uniform throughout the country, freights and other charges on orders received being payable by the manufacturer, importer or wholesaler. Of products already registered, complete details must be submitted to the authorities within a fixed time, giving name of product, sale certificate number and price to consumer, calculated in accordance with the margins already mentioned. In due course the details are either approved or disallowed. In the latter event the manufacturer or importer is called upon to make a detailed declaration regarding their costs. Should he refuse to do this, the sale permit of the product is stopped.

FREDERICK THOMPSON,

Managing Director,

Burroughs Wellcome Y Cia,
Buenos Aires. (Sud America), Ltda.

Education and the T.S.A. Licence

SIR,—I have noted the report of the Pharmaceutical Society's Education Committee (*C. & D.*, April 12, p. 407), in which it is recommended that the final qualifying course shall be one of five years' duration. It is my impression that the sudden awakening to the lack of pharmaceutical knowledge among some members has been precipitated by the release of penicillin, and the necessity of obtaining a Therapeutic Substances Act licence before aqueous injections of the substance can be made by the retail chemist. I am, sir, anxious to learn how many members of the Council of the Society, and of the Education Committee in particular, are holders of a penicillin T.S.A. licence, and how long they have held such a licence. It would be refreshing to see a Council nominee stress the fact he holds a T.S.A. licence, qualified on the '32 B.P., and is generally conversant with the current penicillin position.

PROVOCATIVA.

HEALTH BULLETIN FOR PHARMACISTS

Abstracts from the fourteenth Ministry of Health Bulletin

Stored Blood and Plasma

B. W. d'A Maycock, M.D.

STORED blood is the chief transfusion fluid provided by the transfusion service, in 1946 a total of some 183,000 bottles being issued by the twelve regional transfusion centres in England and Wales to hospitals.

Present technique does not permit the preservation of leucocytes, which disintegrate in a few hours, or of platelets, most of which disappear in about four days, or of complement, prothombin, immune bodies and other enzymes, so that only negligible quantities remain after 12-14 days of storage. The term "stored blood" thus refers mainly to the red blood cells and plasma, which may be preserved for 21-28 days, though the life of the red cells within the circulation after transfusion decreases as storage-time increases. Stored blood finds its main uses in the restoration of blood volume after hæmorrhage, and in the treatment of anæmia caused by hæmorrhage.

Whether stored blood is fit for use must be judged from its macroscopic appearance before the blood is disturbed by handling of the bottle, and it is thus important that bottles should be stored standing upright in the refrigerator. On standing, blood separates into three layers:—A top layer of supernatant plasma, which is straw-coloured and usually cloudy from its fat content; a middle layer, greyish-red in colour, consisting of leucocytes and platelets; and a bottom layer of red cells, which is dark red in colour. The line of demarcation between the plasma and the cellular layers should be sharp, and there should be no discoloration of the plasma from the upward diffusion of hæmoglobin released from hæmolysed red blood cells. A small amount of hæmolysis does not necessarily render the blood unfit to use, but the selection of blood from the blood bank should be left to a medical officer who has the requisite experience.

Refrigeration is of paramount importance for the proper preservation of stored blood. Any refrigerator used as a blood bank must be adjusted to operate accurately within the temperature range 4—6°C. Freezing will cause hæmolysis of the red cells, and increases of temperature up to 10°C. will allow multiplication of the few organisms which may be present in an occasional bottle. Blood for transfusion should never

be removed from the refrigerator until shortly before it is needed; if it is out of the refrigerator for more than thirty minutes, and for some reason not wanted, should never be replaced and used for another transfusion.

Dried Plasma

Dried plasma is widely used as a substitute for blood. In 1946 some 56,000 bottles were issued to hospitals in England and Wales, a larger quantity than in any previous year since its introduction in this country during the war. Plasma may be stored for considerable periods—in the fluid form up to 18-24 months, and in the dried form probably for at least five years, provided the residual moisture content is below 1 per cent., and the introduction of moisture to the dried material is prevented by efficient sealing of the bottles. The stable dried form is preferable to fluid plasma which is unstable and may clot or become cloudy, simulating bacterial contamination.

The main advantages of dried plasma over stored blood are: (1) It does not require refrigeration, but may be stored for long periods at room temperature out of direct sunlight. (2) It can be given to patients of any blood group. It has the following disadvantages, however: (1) It contains no hæmoglobin, and cannot increase the oxygen-carrying power of the circulation. (2) It has been shown to transmit a form of hepatitis, which may occasionally prove fatal (homologous serum jaundice). The pathogenesis of this condition is not yet clear. The product is made by pooling the plasma from a number of bottles of blood, so that, assuming that the disease is caused by a micro-organism, if the contents of one bottle are infected the whole pool will be contaminated. To reduce, and if possible eliminate this possibility, pools have been decreased to the smallest practicable size, and donors with a recent history of jaundice are not bled.

The Early Diagnosis of Cancer

By Lord Amulree, M.D., F.R.C.P.

One of the tragedies of cancer is the frequency with which a patient is first seen by a doctor when the disease has progressed too far to allow of a radical cure. The disease has progressed silently, and the patient has been apparently unaware of any disquieting symptoms until shortly be-

re seeking medical advice. But when the stories of a large number of these patients are investigated more carefully it is usual to find that some alteration from the normal, no matter how slight, has been noticed for some weeks or even months. It is by directing attention to the persistence of seemingly trivial symptoms that an advance can be made towards an earlier recognition of cancer. It is, therefore, important to teach patients to seek medical advice whenever they notice some alteration in their general health, which persists for more than a few days, or weeks at the outside, no matter how trivial this alteration may be, and it is along these lines that the pharmacist can play an important part in the struggle against cancer.

It is customary for patients, when suffering from what they consider to be trivial or unimportant ailments, to ask at their neighbouring chemist's shop for a bottle of medicine. There is nothing reprehensible in this, but it does throw a heavy responsibility upon the pharmacist. This disease starts as a small, local change in an organ, and because of this it does not cause serious upset of the function of that organ, and cancer in this stage is often curable.

The Treatment of Varicose Veins

By Robert Rowden Foote, M.R.C.S.,
L.R.C.P., D.R.C.O.G.

SOME four or five million people in Great Britain suffer from varicose veins. Prevention of varicose veins, at present, is not possible, and those who have a marked hereditary tendency to the condition are wise to keep close observation on their legs and to avoid occupations involving prolonged standing. Tight garters impede the return of blood up the veins and should be avoided; especial care is required at puberty, pregnancy and at the menopause.

Distortion of Valves

Varicosity causes the valves of the leg veins to become distorted, and, as a result a retrograde circulation eventually occurs, the blood flowing towards the feet and causing a congestion in the ankle area. Eventually stagnation of the blood causes a seepage of fluid into the tissues, and œdema with the characteristic pitting of the tissues occurs. Treatment of varicose ulceration depends entirely on a proper understanding of this hydrostatic problem. The deep veins such as the femoral and the popliteal are firmly supported by the muscles, and they do not become varicose, but they may

become inflamed (deep vein phlebitis) and clotted (thrombosis). Treatment depends on the condition of these deep veins. If they are badly thrombosed, certain tests will be positive and active treatment to the superficial varicose veins is detrimental. Other tests will show the state of the valves in the superficial system.

Varieties of Cases

1. OCCLUSION OF THE DEEP VEINS

In these cases, there is usually a history of "white leg" (phlegmasia alba dolens). Pregnancy, operation, or acute specific fevers are the common causes of this condition. The leg is swollen and œdematous, and the tests show occlusion of the deep circulation. These cases can be treated by supportive measures only. The sufferer from deep vein thrombosis of long standing is seldom able to dispense with some form of support for the rest of his life.

2. MODERATE CASES IN WHICH THE VALVES OF THE SAPHENOUS VEINS ARE COMPETENT

These cases may be treated by means of sclerosant injections. This treatment has fallen into much disrepute of late owing to the temporary nature of the relief often given. The reason for the slur on the efficiency of sclerosants is due to two main factors. Firstly, a wrong selection of cases and often a wrong selection of sclerosant; secondly, the fact that the situation is not explained carefully to the patient.

3. WHEN THE VALVES OF THE INTERNAL SAPHENOUS VEIN ARE INCOMPETENT

These advanced cases with a large palpable vein in the thigh need surgical treatment.

4. ULCERATION AND ECZEMA

These dreaded complications should hardly ever occur. The varicose vein must be eradicated; and the œdema must be squeezed from the limb by means of firm compression. This part of the treatment can be performed by various bandages selected according to the case and to the skin condition.

5. PHLEBITIS

When the condition affects the superficial varicose veins rest is contra-indicated. Correct bandaging, a sponge-rubber pad over the saphenous opening, and "keep walking" is the treatment for most cases. During the acute stage, penicillin and the sulphonamides have their place.

The bulletin also contained a description of the Chartered Society of Physiotherapy, Tavistock House (North), Tavistock Square, London, W.C.1.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex Street, W.C.2, April 23

WITH the improvement in fuel supplies, production of PHARMACEUTICAL CHEMICALS is recovering from the recent set-back. Demand still continues on a very high level and, in spite of the growing cost of production, prices are remarkably stable. The shortage of ACETIC ACID is influencing supplies of ACETANILIDE and to a lesser extent of ASPIRIN; it is understood, however, that manufacturers' supplies of acetic acid will be higher next month. Difficulty in obtaining carboys and other containers is responsible for the shortage of METHYL SALICYLATE. GUAIACOLS show a steady improvement in supply. New prices for the minor BROMIDES and IODIDES are now available. It is understood that the prices of the halogen compounds of CADMIUM may be revised in view of an increase in the cost of the metal.

Crude Drugs

Business continues on a routine scale with few price movements. A rather better inquiry is reported for CURAÇAO ALOES but the Socotrine variety is not receiving much attention. The price of ANTIMONY has been raised; 99.6 regulus is higher by £32 10s. per ton and other grades are increased by somewhat lower amounts. The BALSAMS again show only small activity; prices are fairly steady with the exception of PERU BALSAM which has an easier tendency. CAMPHOR is a steady market. CARDAMOMS are quiet with prices at previously quoted levels. There has been some inquiry for new-crop CASCARA SAGRADA prices but none are available at present. GENTIAN and LIQUORICE are slow; quotations are unchanged. Quotations from the U.S. for HYDRASTIS are rather higher. MENTHOL is again firmer with both Brazil and Chinese varieties showing advances on last week's quotations. All supplies of QUINCE have now been sold and no replacements are available. WHITE PEPPER is increased in price as a result of the change in duty. RHUBARB is selling at slightly lower prices for the poorer grades. The SEEDS market is rather quiet. The easier tendency in SENEGA is maintained with prices again marked down by 6d. per lb. A fair business is passing in CARNAUBA WAX which is again easier.

Essential Oils

Business in ESSENTIAL OILS has been rather slow. The easier tendency continues reflecting the lower prices at origin. CINNAMON LEAF, CITRONELLA and LEMON-GRASS have all shown small price reductions. Among the ISOLATES, EUGENOL and ISOEUGENOL are somewhat easier.

U.S. Drug and Chemical Report

New York, April 18

THE United States produced about 10 per cent. more chemicals during the first three months of the current year than in the corresponding quarter of 1946, according to preliminary estimates. Supplies, however, of most of the major industrial chemicals are being shipped to consumers against contracts which were placed many months ago and deliveries of alkalis are far behind schedule. The resale market is reported as quieter. The FINE CHEMICAL market has been featured by a general reduction in the price of streptomycin—from \$6 to \$5 per gm., and hospitals will pay only \$4 a gm. for supplies of the drug. About 1,000 kegs of Italian TARTARIC ACID arrived here last week; the material, which is priced at 43 to 44 cents per lb., is not likely to find a market at the present time since the payment of duty brings the cost to 51 to 52 cents per lb., compared with the price for domestically produced acid of 50 cents. Both refined and crude GLYCERIN are in a better supply position than at any time since the last quarter of 1946.

Although a fairly good export demand for CRUDE DRUGS is noted here, the domestic inquiry is regarded as disappointing. There is very little demand for MENTHOL or MERCURY. There has been no improvement in the demand for CARNAUBA WAX despite further price reductions. Total imports of BOTANICAL DRUGS during the first eleven months of 1946 at 16,755,188 lb. were almost unchanged from those in the same period of the previous year. Imports of GUMS improved however—from 26,013,764 lb. to 32,148,510 lb.

The ESSENTIAL OILS market has been inactive and price reductions in LAVENDER, Messina LEMON, ANISE and OCOTEA CYMBARUM have been noted. Floral oils are expected to decline in price if expected shipments from Europe are effected.

Pharmaceutical Chemicals

ACETANILIDE.—Makers' quotations for 1-cwt. lots in kegs are 2s. 5d. per lb. for crystals and 2s. 6d. per lb. for powder.

ADRENALINE.—Quotations for natural are from 5s. 6d. to 6s. per gm., according to quality; synthetic, from 2s. to 2s. 3d.

AMIDOPYRINE.—Supplies are still very limited. Quotations are firmly held at from 50s. to 60s. per lb., according to quality.

AMPHETAMINE.—Steady. Prices for the BASE and SULPHATE are from 150s. to 170s. per lb., as to quality.

ANETHOLE.—Ex Star anise oil is quoted at 20s. per lb.

BENZALDEHYDE.—B.P.C. quality in good supply is from 4s. 9d. to 5s. 6d. per lb., as quantity.

BENZOIC ACID.—Makers' quotations are from 2s. 7d. to 3s. per lb., according to grade and quantity.

BENZYL BENZOATE.—Quotations for B.P. material are from 4s. 6d. to 5s. per lb., according to pack; perfumers' quality, 5s. 5s. 6d.

BISMUTH.—Makers' quotation for CARBONATE in 1-cwt. lots is 14s. per lb. Schedule rates for smaller quantities are from 5s. 8½d. per lb. upwards. CITRATE is 2d., CALCIYLATE 1s. 4d., and SUBNITRATE 2s. 7d. per lb. below the above prices; SUBGALLATE 2s. more than the carbonate.

BROMINE COMPOUNDS.—Current prices per lb. are as follows: BROMOFORM, B.P.C., 2s. 9d.; CADMIUM, crystals, 13s.; CALCIUM, 8s. 10d.; ETHYL, 9s. 6d.; LITHIUM, 11s. 9d.; HYDROBROMIC ACID, B.P.C., 6 Winchester quarts, 2s. 3d., and smaller quantities, 1s. 1d.; DILUTE ACID, B.P., 3 Winchester quarts, 1s. 4d.; CONCENTRATED 40 per cent., 6 Winchester quarts, 2s. 5½d., and smalls, 3s. 3½d.; CONCENTRATED, 50 per cent., 6 Winchester quarts, 3s. 1½d., smalls, 4s. 11½d.

BUTYL CHLORAL HYDRATE.—Current prices are from 17s. 6d. per lb. upwards.

CALAMINE.—B.P.C. quality is quoted at 2s. 2d. per lb. for quantities of 1 cwt.

CALCIFEROL.—Quotations are from 11s. to 12s. per gm., according to quantity.

CALCIUM GLUCONATE.—Supplies are very short. Quotations are from 3s. 3d. per lb.

EUCALYPTOL.—B.P. quality, in good supply, is available at 12s. 6d. to 13s. per lb., according to quantity.

IODIDES.—Prices (per lb.) of minor iodides are as follows: AMMONIUM, B.P.C., 1-lb., 15s. 9d., smalls, 16s. 3d.; ARSENIC triiodide, B.P., 28s. 6d.; CADMIUM, B.P.C., 2s.; CALCIUM, B.P.C., 19s.; ETHYL, 28s.; IRRON, B.P.C., 14s.; LEAD, B.P.C., powder, 8s.; LITHIUM, B.P.C., 20s. 3d.; STRONTIUM, B.P.C., 18s. 6d.; ZINC, B.P.C., 9s. 3d.; MERCURIC, B.P., 7-lb., 14s. 3d., smalls, 14s. 9d.; MERCUROUS, B.P.C., green or yellow, 7-lb., 18s. 6d., smalls, 19s.

ROCHELLE SALT.—The price of 1 cwt. is now 202s. 6d. SEIDLITZ POWDER is at 56s. 3d. per cwt. for ordinary strength; extra strong is 168s. 9d., and double strength 175s. 9d. per cwt.

TEREBENE.—Rates per lb. are as follows: Darboys, 3s. 9d.; 24 Winchester quarts, 6s. 10½d.; 12, 4s. 1½d.; 6, 4s. 5d.

TERPINEOL.—B.P. quality is quoted at 5s. per lb. for small lots.

THYMOL.—Supplies are very short. Current prices are from 19s. to 20s. per lb.

ZINC OXIDE.—Controlled prices per ton are as follows: Red seal, £68 15s.; green seal, £70 5s.; white seal, £71 5s. Delivered to buyers' premises in lots of not less than 2 tons.

Crude Drugs

ALOES.—Curaçao is steady at 240s. per cwt., spot; forward, from 230s. to 240s., c.i.f. Socotrine is quoted from 175s. to 190s. per cwt. for fair to good material; poorer grades are offered at as low as 150s. Cape, for shipment, is quoted at 190s., c.i.f.

ANTIMONY.—Increased prices, effective April 21, are as follows: 99.6 per cent. regulus, £190 per ton, delivered; 99 per cent., £180; 70 per cent., crude, £150.

BALSAMS.—Continue quiet. *Canada* is in routine demand at 15s. per lb., spot; *Pará Copaiba* is quoted at from 8s. to 9s. per lb.; *Peru* is at 7s. 6d. to 8s. per lb., duty paid. *Tolu* prices vary according to holder and are from 18s. to 19s. per lb., spot, with shipment at 18s. 6d., c.i.f.

BELLADONNA.—English herb is available at 5s. 6d. per lb.

BENZOIN.—Spot quotations for Sumatra are steady at from £20 to £25 per cwt., according to quality.

CALABAR BEANS.—Quotations are at 1s. 6d. to 1s. 7½d. per lb., ex warehouse Liverpool.

CALUMBA.—Spot quotations for washed root are from 80s. to 85s. per cwt. Natural root is offered at 55s. to 60s. per cwt.

CAMPHOR.—Steady. Chinese tablets (¼-oz.), quoted at 12s. per lb., spot; refined powder (B.P.), 11s. 3d.; Formosa crude (B.B.), 10s. 3d.; 2½-lb. slabs, afloat, quoted at 10s. 6d. per lb., landed, duty paid.

CANTHARIDES.—Chinese is offered at 17s. 6d. per lb., landed.

CAPSICUMS.—East African is steady at 120s. to 140s. per cwt., according to quality.

CASCARA SAGRADA.—Quiet. Quotations are at 270s. to 280s. per cwt., duty paid, according to holder.

CASCARILLA.—Quills are offered at 1s. 11d. per lb.; siftings are quoted at 1s. 6d. spot.

CASSIA BARK.—Spot. Whole is quoted at 67s. 6d. per cwt. and broken at 60s.

CHILLIES.—Mombasa, quoted at 170s. to 175s. per cwt., spot; Nigerian, 135s. to 140s.; Japanese-type, 190s. to 200s.

CINNAMON.—Quillings are quoted at 2s. 10d. per lb., spot; featherings, 2s.; chips, 1s. 3d.; chips sifted and washed, 1s. 4d. to 1s. 6d., according to quality.

CLOVES.—Zanzibar are quoted at 10d. per lb., spot. Penang are offered at 3s. to 3s. 6d. per lb.

COCHINEAL.—Silver-greys for the home trade, 4s. 6d. per lb., on the spot; blacks, very scarce, are quoted at 5s. 9d. per lb.

COLOCYNTH.—Prices are unchanged with fine-white at 2s. 2d. and medium-white 2s. per lb., spot.

DIGITALIS.—Portuguese is steady at 130s. per cwt., spot. English-grown, 2s. 6d. per lb.

GENTIAN.—Little activity is reported. French natural root is steady at 100s. per cwt.; cut, 130s., spot.

GINGER.—Jamaica No. 1 is quoted at 125s. per cwt.; No. 2, 110s.; No. 3, 102s. 6d. to 107s. 6d. spot. African is steady at 72s. 6d. to 75s., spot.

GUAIACUM RESIN.—A few cases of lump are offering at 3s. 6d. per lb., duty paid, ex warehouse.

GUM ACACIA.—Kordofan cleaned sorts is steady at 76s. per cwt., spot, London or Liverpool; shipment is at 70s. 6d., c.i.f. Bleached No. 1 is quoted at 143s., ex store. Talha, cleaned, is easier at 43s., spot; forward, 38s. 6d.

GUM MASTIC.—Quoted at 18s. per lb. duty paid, for No. 1 material.

HENBANE.—Indian leaf is quoted at 250s. per cwt., spot.

HYDRASTIS.—Steady. Spot quotation is 60s. per lb.; forward, 57s. 6d., c.i.f.

IPECACUANHA.—Nicaraguan root is quoted from 29s. to 30s. per lb. for spot; shipment is at 26s., c.i.f.

KOLA NUTS.—Steady. African quarters are quoted at 7½d. per lb.; African halves, 5d. to 6d., according to quality; Jamaican washed halves, 5½d. per lb.

LIQUORICE ROOT.—Quiet. Anatolian whole root is steady at 60s. per cwt., on the spot. Turkish juice (block) is quoted at 250s. to 260s., spot; forward, 190s., c.i.f.

MACE.—West Indian pale is quoted at 7s. 6d. to 8s. per lb., spot; pickings, from 5s. 3d. to 5s. 9d. per lb., according to quality.

MENTHOL.—Brazil is at 50s. to 51s. per lb., duty paid, according to holder; forward, 43s., c.i.f. Chinese is at 52s. 6d. to 54s. 6d., duty paid; forward quotations are at 48s. 6d., c.i.f.

MERCURY.—Spot quotations are at £20 10s. to £21 per flask, ex warehouse; for shipment, £20 6s., c.i.f.

MYRRH.—Aden sorts are quoted at £14 to £17 per cwt., according to quality; siftings, 8s. to £10 per cwt.

NUTMEGS.—West Indian 80's are quoted at 4s. 6d. per lb., spot; 110's are available at 3s. 9d.; sound unassorted 3s. 7d.; wormy and broken, 3s. 4d.

NUX VOMICA.—Madras, steady at 40s. to 42s. 6d. per cwt.; Mangalore, 40s.; Cochín, 42s. 6d. to 45s., spot, according to seller.

PAPAIN.—Reports from Tanganyika indicate that, as a result of favourable weather conditions, production is higher than is usual for this time of the year. Price is very firm and sales are taking place under existing contracts at \$6 per lb., f.o.b. Mombasa. Offers from U.S. up to \$6.40 have been made. Demand continues well in excess of supply.

PEPPER.—Indian black, whole, 2s. to 2s. 2d. per lb., spot; ground, 2s. 2d. to 2s. 4d. White, whole, unquoted; ground, 3s. 7d. to 3s. 9d., spot.

PIMENTO.—Quiet. Spot quotations are at 1s. 1d. per lb.

QUASSIA.—Chips are quoted at 45s. per cwt., spot, nominal.

QUILLAIA.—Natural bark, quoted at 130s. per cwt.; cut, for future delivery, 150s., ex store.

RHATANY.—Steady. Spot quotations are unchanged at 11d. per lb.

RHUBARB.—Chinese rough round, with a fair fracture, 7s. 9d. to 9s. per lb., according to quality and holder; forward, 5s. 3d. to 6s. 9d. per lb., c.i.f. French rapontica is available at 2s. 3d. per lb., spot.

SANDARAC.—Quotations are at 6s. 3d. to 6s. 6d. per lb., ex store London.

SARSAPARILLA.—Jamaica, native red is quoted at 2s. 4d. per lb.

SEEDS.—A quiet market. ANISE—Cyprus quoted at 2s. 4d. per lb., spot

London or Liverpool. CARAWAY.—Dutch sellers at 1s. 6d. per lb., duty paid, spot

London. CELERY.—Indian quoted at 1s. 6d. per lb., spot, London or Liverpool. COR-

ANDER.—Spot, Morocco offered at 60s. per cwt., duty paid in London; English, 80s. to

85s. per cwt.; Italian, sellers at 60s. per cwt., duty paid. CUMIN.—Spot, Morocco

is quoted at 240s. per cwt., duty paid; Indian, 235s. per cwt., ex wharf Hull or

Liverpool; Cyprus, 240s. per cwt., ex wharf London. It is stated that new crop Malta

Cumin is practically nil. DILL.—Indian is 45s. per cwt., spot, London or Liverpool.

FENNEL.—Indian is offered from 110s. to 120s. per cwt., ex wharf Liverpool, according

to quality. FENUGREEK.—Indian 50s. to 52s. 6d. per cwt. in London, 48s. per cwt. quoted ex wharf Liverpool.

SENEGA.—Business is rather slow and prices are from 13s. 6d. to 14s. per lb., spot, according to seller.

SENNA.—Tinnevely leaves, spot, No. 1, 1s. 2d.; No. 2, 10½d.; No. 3, 10d.; No. 4,

8½d. Tinnevely pods, hand-picked, 10½d. to 1s. 4d.; manufacturing, 6d. to 6½d.

Alexandrian pods, hand-picked, spot from 4s. 3d. to 4s. 9d., according to quality;

medium, 2s. 9d.; manufacturing, 1s. 9d. to 2s. per lb.

SHELLAC.—Steady. Spot quotations ex warehouse London are as follows: F.O.T.N.,

pure, 345s. per cwt.; F.O. standard, No. 1, 355s.; F.O. lemon, No. 1, 375s.; F.O. lemon,

No. 2, 365s.; A.C. garnet, 375s.; buttonlac, 375s. per cwt.

TRAGACANTH.—Steady. Selected grades are quoted at £155 per cwt. Other grades

are as follows: No. 1 white, £145 per cwt. No. 2 white, £125; No. 3 white, £110; No.

4 white, £85; pale leaf, £50; amber leaf, £45; dark amber, £35; brown leaf, £25;

red-and-brown leaf, £20; red leaf, from £17; hoggy, £12 to £15 per cwt.

TURMERIC.—Madras finger is quoted at from 105s. to 110s. per cwt., spot.

VALERIAN.—Belgian root is steady at 210s. to 240s. per cwt., according to holder.

WAXES.—A fair business is being transacted. **BEES'.**—Dar-es-Salaam is steady at 35s. per cwt., spot; shipment, 355s., c.i.f. **INDI** is quoted at 360s. per cwt., spot; shipment, 350s., c.i.f. **CANDELILLA.**—Offered at 55s. per cwt., spot; forward, 442s. 6d., i.f. **CARNAUBA.**—Fatty grey, spot, easier at 910s. per cwt.; loading, 860s., c.i.f.; April-May shipment is again easier at 750s., i.f. Prime yellow, spot, 1,175s.; near float, 1,100s.; loading, 1,050s., c.i.f.; June-July shipment, 975s., c.i.f. Medium yellow, spot, 1,160s. per cwt. **MONTAN.**—Easier. Czechoslovak crude, 335s. per cwt., spot. **URICURI.**—7.1 per cent., 500s. per cwt., spot. 2 per cent., spot, 525s. per cwt.; for shipment, 490s., c.i.f. 6 per cent. shipment quoted at 450s. per cwt., c.i.f.

Essential and Expressed Oils

ALMOND.—B.P. sweet is quoted at 8s. to 9s. per lb., according to quantity.

BAY.—West Indian is steady at 7s. 6d. to 9s. per lb., spot.

CADE.—Spot, 5s. per lb., nominal.

CANANGA.—Scarce. Nominal quotation 5s. to 50s. per lb.

CASTOR.—Controlled prices are unchanged. Firsts, £180 per ton; Seconds, 176, naked ex works.

CINNAMON LEAF.—Quotations are at from 1s. to 15s. per lb., according to quantity.

CITRONELLA.—Ceylon is available at prices from 8s. 6d. to 11s. 6d. per lb., spot.

CORIANDER.—English-distilled oil is available at 250s. per lb.

FENNEL.—Sweet oil is steady at 25s. per lb., on the spot.

GINGER.—Firm. Quoted at 85s. to 125s. per lb., according to quality.

GUAIACWOOD.—Quoted at 18s. to 19s. per lb., spot, according to quantity.

JUNIPER BERRY.—Imported oil is quoted at 40s. to 60s. per lb., according to quality. English-distilled is in the region of 85s.

LAVANDIN.—Spot quotations, 18s. to 20s. per lb., as to quantity.

LAVENDER.—French (3S to 40 per cent. stems) is steady at 55s. to 60s. per lb. Spanish (spike) is quoted at 13s. to 14s. per lb., spot.

LEMONGRASS.—Cochin is quoted at from 2s. to 14s. 6d., spot, according to seller and quantity; forward quotations are easier.

ORIGANUM.—Quoted at 18s. 6d. to 19s. 6d. per lb., spot.

PALMAROSA.—Spot, 40s. to 45s. per lb., according to quantity; forward quotations are easier.

SASSAFRAS.—Brazil is quoted at 5s. 6d. to 6s. per lb., spot.

THYME.—Red oil (40-42 per cent. phenols) is at 17s. 6d. to 18s. 6d. per lb.; white oil is quoted at 20s. to 21s. per lb., spot.

VETIVERT.—Java is quoted at 175s. per lb., on the spot.

YLANG YLANG.—Scarce. Quotations are in the region of 100s. per lb.

ZANZIBAR CLOVE REPORT

THE Zanzibar Clove Growers' Association, in a review of the market for the last quarter of 1946, state that shipping facilities continued to improve and there was considerable activity both in clove arrivals and exports. For the period July-December 1946, some 560,000 frasilas were received and 633,000 exported (approximately 9,895 tons). Straits Settlements and India were the chief markets. United States have showed little or no interest in cloves, and no shipments were made. At the beginning of the quarter the local market buying rates for Grade II Cloves were Shs. 48.00 to Shs. 48.50. After a slight rise they declined to near the Association's guaranteed minimum buying price of Shs. 45 and some 4,000 bags were purchased by the Association during the period, end of November and beginning of December. Open market prices then began to rise again until the end of December, ending the quarter at about the same figures as those at which it began. For the crop season commencing 1st July, some 5.6 lakhs of frasilas had passed through the Central Market and the Association's Depot up to the end of December. For the remaining period of the season's harvest it is estimated that at least 4 lakhs of frasilas will come forward provided conditions in regard to weather and labour are favourable. The recorded supplies during the quarter were: Zanzibar produce, 1,548,752 lb.; Pemba produce, 15,512,923 lb. Exports, to all destinations, totalled 13,948,996 lb., of which the United Kingdom received 63,980 lb., or 0.46 per cent. of the total.

As is usually the case with a heavy crop, delivery of stems was subordinated to cloves until late in the quarter, but heavy supplies of stems were ready to come forward. Supplies of the latter totalled 2,253,059 lb. It continued to be necessary to distil buds with stems throughout the quarter in order to fulfil an outstanding contract for clove oil, and 513,710 lb. cloves were utilised for this purpose. Exports of clove oil for the quarter totalled 147,800 lb. and were chiefly to the United Kingdom, the only exception being a small parcel of 1,419 lb. to the East African mainland. There were, however, inquiries from several other countries.

INSURANCE ACT DISPENSING

Angus.—Messrs. J. Jolly, M.P.S., Kiriemuir, and M. P. Macfarlane, M.P.S., Brechin, have been appointed to the County Pharmaceutical Committee. Mr. H. W. Caird, M.P.S., has been appointed *Chairman*.

Worcestershire.—It was reported at a recent meeting of the County Insurance Committee that 207 chemists, with 224 shops were supplying a dispensing service. The chairman said the cordial relations existing between the Panel Committee and the Pharmaceutical Committee had aided the administration of medical benefit in the Insurance Committee's area.

North of England.—At the annual meeting of the North of England Joint Insurance (Prescriptions) Committee held recently in York, Mr. W. O. Richardson, M.P.S., West Hartlepool, was elected *Chairman*. Mr. Richardson is also chairman of the West Hartlepool Insurance Committee and of the West Hartlepool Pharmaceutical Committee.

TRADE MARKS

(From "The Trade Marks Journal," April 2)

"**STERGENE**"; for cleaning substances for household and laundry use (3). By Domestos, Ltd., College Works, Albion Row, Byker, Newcastle-on-Tyne, 6. 644,417 (Associated).

"**HORMOFEMONE**"; for pharmaceutical preparations consisting of or containing hormones (5). By Medo-Chemicals, Ltd., 178 Pentonville Road, London, N.1. 644,638.

"**PLURIVITE**"; for pharmaceutical preparations and substances (5). By Boots Pure Drug Co., Ltd., Station Street, Nottingham. 645,539.

Device of golfer and elongated flag; for preparations for killing weeds and destroying vermin (5). By Soil Fertility, Ltd., 181 Higher Lane, Lymm, Cheshire. 645,897.

"**BEMATONE**"; for pharmaceutical tonic preparations (5). By Cuxson, Gerrard & Co., Ltd., 26 Fountain Lane, Oldbury, Worcs. 646,164.

Device of spray of heather; for razors and razor blades (8). By Heather Safety Razor Blade Co., Ltd., Rydene Works, 159 Dukes Road, Acton, London, W.3. 646,417.

"**CLARITAS**"; for thermometers and thermometer cases (9). By Morice James Drew, 21 Rosecraft Walk, Pinner, Middlesex. 645,925.

"**MAX FACTOR HOLLYWOOD**" and mask device (word "Hollywood" disclaimed); for powder brushes, lip brushes and powder puffs, all for toilet use (21). By Max Factor & Co., 1666 North Highland Avenue, Hollywood, California, U.S.A. 645,532 (Associated).

"**BELLADOR**"; for powder puffs, sponges, combs, brushes included in this class (21). By Jacques

Henryk Spreiregen, 39 Fitzroy Square, London, W.1. 646,014.

APPLICATIONS AMENDED AFTER ADVERTISEMENT

Specification No. 641,686 by R. J. Groves & Son, should be altered so as to read "toilet powders (not medicated)."

Specification No. 643,512 by Clinical Products, Ltd., should be altered so as to read "Pharmaceutical preparations and substances, but not including gland extracts in tablet or ampoule form."

COMING EVENTS

Notices for inclusion under this heading should be sent in time to reach the Editor not later than Wednesday morning of the week of insertion.

Tuesday, April 29

NORTH METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY and **NORTH LONDON PHARMACEUTICAL ASSOCIATION**, Beale's Restaurant, Holloway Road, London, N.7, at 7.30 p.m. Annual meeting.

NOTTINGHAM BRANCH, PHARMACEUTICAL SOCIETY, Lecture Room, Medico-Chirurgical Society, 64 St. James's Street, Old Market Square, Nottingham, at 7 p.m. Annual meeting followed by short talks given by members.

WEST HAM AND EAST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, and **WEST HAM ASSOCIATION OF PHARMACISTS**, Stratford Church Institute, 27 Romford Road, London, E.15 (nr. Stratford Broadway), at 7.45 p.m. Annual meeting.

Wednesday, April 30

SHEFFIELD BRANCH, PHARMACEUTICAL SOCIETY, Metallurgical Club, Sheffield, at 7.45 p.m. Social evening (admission 1s. 6d. including refreshments). Members wishing to attend should notify Mr. S. Durham, 29 Stephen Hill Road, Sheffield, 10 (Telephone: Sheffield 60637) not later than Monday, April 28.

BEDFORDSHIRE BRANCH, PHARMACEUTICAL SOCIETY, Oddfellow's Hall, 100 Midland Road, Bedford, at 7 p.m. Annual meeting.

ROYAL SOCIETY OF ARTS, John Adam Street, Adelphi, London, W.C.2, at 5 p.m. Mr. E. J. B. Lloyd on "Distribution."

Thursday, May 1

NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, 17 Bloomsbury Square, London, W.C.1, at 7 p.m. Annual meeting.

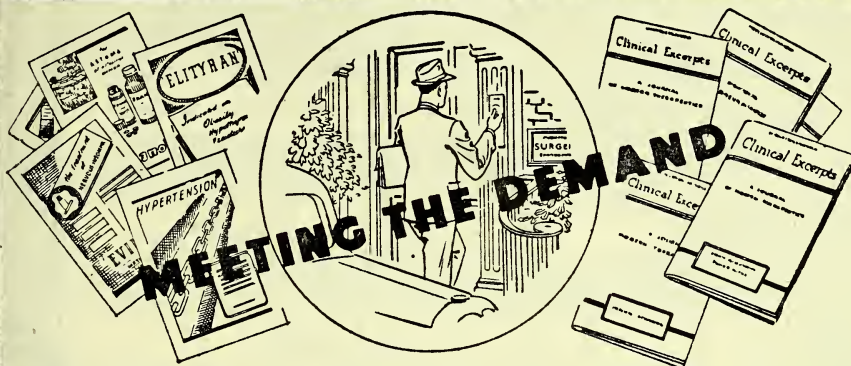
MANCHESTER PHARMACEUTICAL ASSOCIATION, JUNIOR BRANCH, Council Chamber, Houldsworth Hall, Manchester, at 7.45 p.m. Annual meeting. Mr. H. Steinman (chairman, N.P.U. Executive) on "Pharmacy, The Health Service and You."

LONDON SECTION, CHEMICAL SOCIETY, Burlington House, Piccadilly, London, W.1, at 7.30 p.m. Reading of scientific papers.

Friday May 2

EXETER SECTION, CHEMICAL SOCIETY, Washington Singer Laboratories, Exeter, at 4.30 p.m. Professor M. Stacey on "Advances in Immunology."

NOTTINGHAM BRANCH, PHARMACEUTICAL SOCIETY, is arranging an all-day visit to the Welwyn Garden City works of Roche Products, Ltd., on June 5. Applications for coach seats should be made to Mr. W. E. Newbold, 2 Chapel Bar, Nottingham.



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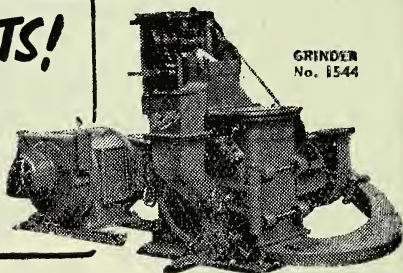
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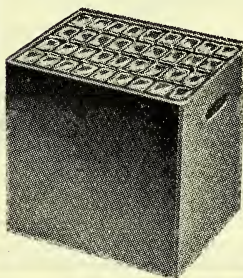
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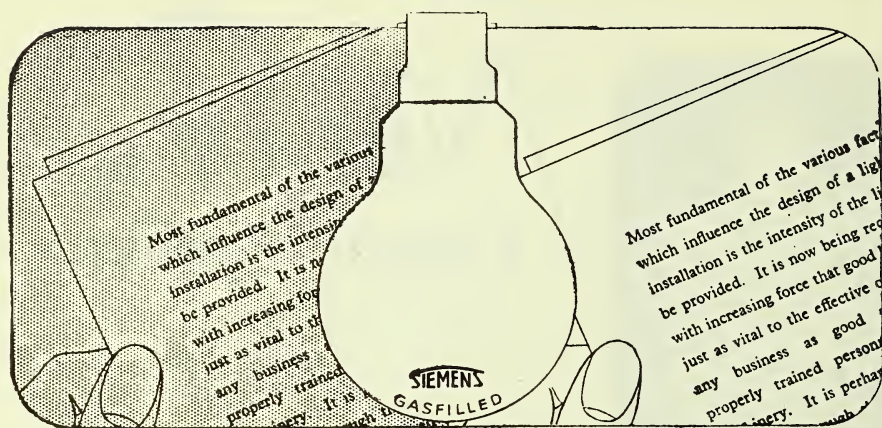
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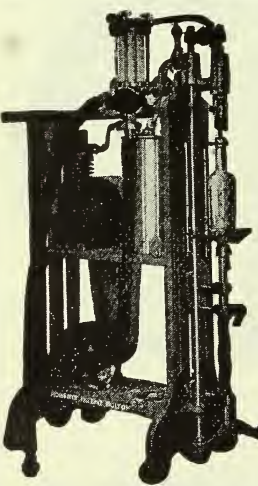
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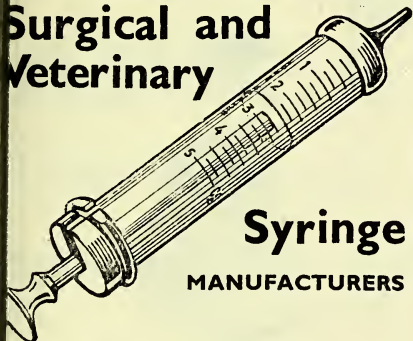
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KILLS VERMIN BY CONTACT

A TREMENDOUS SELLER!

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Put Gillette in the window, a cheering display,

Tell people you've got them — you'll find it will pay.

(The supply position is improving)

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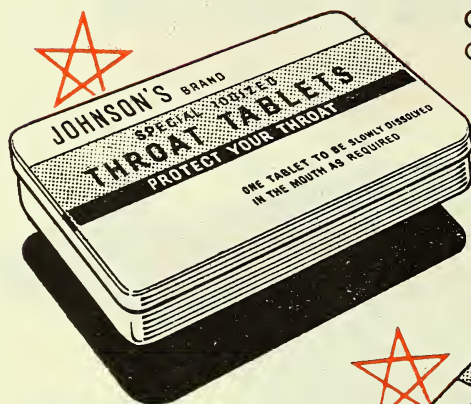


Rantu kills at a touch, Simply by walking over a deposit
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Can be strongly recommended for
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Pleasant to taste.

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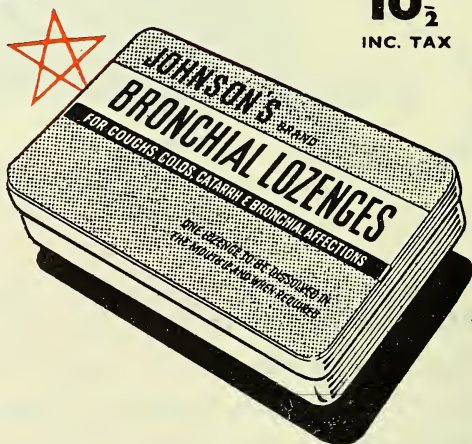
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Year by year the sale of JOHNSON'S
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Dō-Dō

Asthma Tablets

merit your confidence
and recommendation

FORMULA

Ephedrine Hydrochloride $\frac{1}{4}$ gr. Grindelia
Powder $\frac{1}{4}$ gr. Acetylmethylidimethoxamid-
phenylhydrazine (Pickups Ltd.) $\frac{1}{4}$ gr.
Theobrom. et Calc. Salicyl. $\frac{1}{4}$ gr. Lithium
Benzoate 1 gr.

Do-Do Asthma Tablets are available to the public in the following sizes: 1s. 1 $\frac{1}{2}$ d. (7 Tabs.), 3s. 4 $\frac{1}{2}$ d. (25 Tabs.) and 11s. 10d. (100 Tabs.). Also a Special Dispensing Pack: 29s. 7d. (300 Tabs.).



P.A.T.A.

International Laboratories Ltd.

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TELEPHONE: MACaulay 3481-3 TELEGRAMS: PARMINTUS, CLAPCOM, LONDON

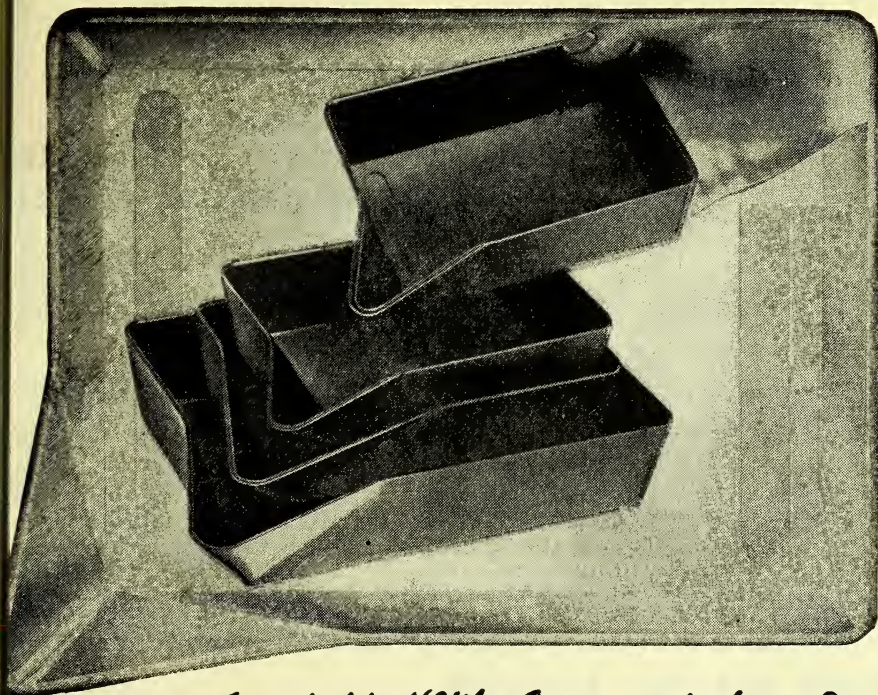
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LORIVAL DEVELOPING DISHES OF IMPROVED DESIGN

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(sorry to keep asking)



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Every container that gets lost or mislaid means a delay in deliveries to somebody—and it might be you! So please don't hoard or give away your boxes and fibreboard containers—put them away in a safe, dry place until the C.R.S. van comes and calls for them. In that way you'll help to cut down delays in deliveries to a minimum, and bring the day nearer when there will be plenty of containers to spare!

MAY WE REMIND YOU ALSO . . .

1. Open C.R.S. wood and fibreboard cases carefully, to avoid damaging tops and sides. 2. Store them out of the weather until collection. 3. Fold C.R.S. collapsible cartons FLAT—with flaps sticking OUT (otherwise flaps have to be untucked before re-use). 4. Vans collect during normal deliveries. C.R.S. vans provide additional collections at regular intervals. Cash paid on spot.

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Telegrams: Spedeco, Telex, London

CRS 30A-51

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*If you have any difficulty over
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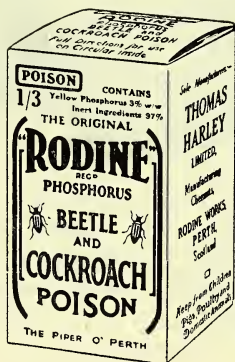
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RODINE will kill hundreds of loathsome beetles and give satisfaction to your customers.



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Strychnine Gluconate — Gives prolonged action with decreased toxicity.

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THE LATEST IN ANTISEPTIC DUSTING POWDER

Soothing and harmless
to the most deli-
cate skins

DERMASEPT

Specially prepared for
the treatment of soreness,
chapped surfaces, burns, abrasions,
cuts, etc., and indicated in all cases
of skin eruption.

Agents apply to manufacturers:
LEWIS (IMPORT & EXPORT) LTD.
232, Great Portland Street, London, W.1

If Bemax were rationed

In a sense it is, though not by a formal rationing scheme to the public.

Chemists are supplied on a quota system and equitable distribution of these supplies is entrusted to the individual chemist.

Your "ordinary consumers" may sometimes have to be disappointed. This is because there are "priorities" for the limited quantities of Bemax available.

These priorities are (1) hospitals; (2) those needing Bemax on medical grounds; (3) expectant and nursing mothers; (4) children and the aged. Priority No. 2 has gone up a lot recently, due to the effects of the severe winter. Priority No. 3 is very high owing to the increasing birth rate.

These are hard facts that no magic wand can dispel. Until the supply of Bemax can overtake demand there must inevitably be disappointment.

We are continually explaining the circumstances to your customers by Press announcements; if we could help you more we would do so.

BEMAX TABLETS

We are now hoping to relieve the situation for you and your customers by the introduction of Bemax Tablets. They are composed of 50% Bemax and the content of vitamin B₁ in the suggested daily dose of 6 tablets (two—3 times a day) supplies 200 i.u. vitamin B₁ (0.6 mg. aneurin), approximately the amount provided by the usual daily dose of Bemax.

Bemax Tablets are available in cartons containing 60 or 120 tablets retailing 1/6d. and 2/6d. respectively. Trade discounts 33⅓%. Minimum parcels 1 doz. 1/6d. and 1 doz. 2/6d. size

All other lines—Complevite, Pregnavite, Fertitol, Befortiss and the pure vitamin preparations—in reasonable supply.

Vitamins Limited, Upper Mall, London, W.6.



That's why the public know that a tin of OATREX is a tin of

OATRITION

*Enquiries to Kings of Kingsbury (Sales), Ltd.,
1, London Bridge, S.E.1.*

KING'S PATENT PRE-COOKED OATMEAL

D.C.L. VITAMIN B₁ YEAST TABLETS

Each ounce contains a natural Vitamin B potency equivalent to that of 25 mgm. Aneurin Hydrochloride, 1.4 mgm. of Riboflavin, and 8 mgm. Nicotinic Acid. Each tablet contains 100 I.U. (approx.) Vitamin B₁. 100 Tablets 3/9d. 50 Tablets 2/3d.

MANUFACTURED BY
THE DISTILLERS CO. LTD., EDINBURGH



HALMAGON

Brand Tablets

**WRITE FOR OUR
NEW SHOWCARD**

Ask your Wholesaler

4-Tube Box 3/11½; 15-Tube Box 11/10
(Including Purchase Tax)

Sole Distributors:

MARSHALL'S PROPRIETARIES LTD.

127/133 High Street, Croydon.

Remarkable Success of New Medical Discovery for all rheumatic pains

Advertised locally and
Nationally.

Profitable repeats.

Attractively packed
in 2 dozen Display
outers.

Retail 3/- *per tube*

Trade

24/- *per doz.*

13 to doz.

on 4 doz.

lots.



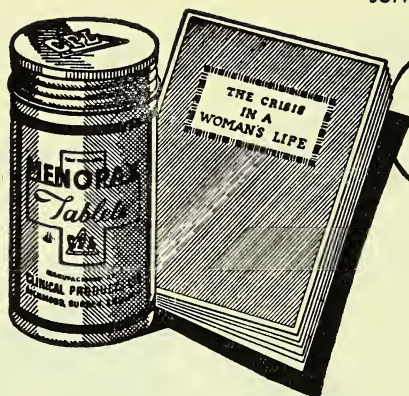
Clinical evidence, before the release for sale to the public of Aspralgic Balm, caused us to anticipate ample sales—but the phenomenal success of the line has outstripped anything we expected. Aspralgic Balm—which embodies a new principal in the treatment of all rheumatic conditions (except Osteo Arthritis)—is in such demand that we have been compelled to augment production considerably.

Success has forced us to concentrate upon manufacture and distribution. Consequently a representative may not have reached you yet. Please, therefore, telephone or write your requirements.

A R LIMITED

NEW WHARF ROAD · LONDON · N.1

Telephone : TERMINUS 4138



The Book behind the Product


"THE CRISIS IN A WOMAN'S LIFE"
(21st EDITION)

deals informatively with the Menopause—a problem which interests all women of middle-age. The enterprising chemist should always have a few copies prominently displayed so that interested customers can take one.

These booklets are supplied to Menopax stockists only—with or without orders. For best terms for Menopax Preparations apply to the

Sole Distributors:
S. MAW, SON & SONS LTD.
Aldersgate House, New Barnet, Herts

MENOPAX

Manufactured by: CLINICAL PRODUCTS LTD.  RICHMOND, SURREY

SAFELY REMOVES SUPERFLUOUS HAIR FROM ARMS & LEGS



MADE IN ENGLAND

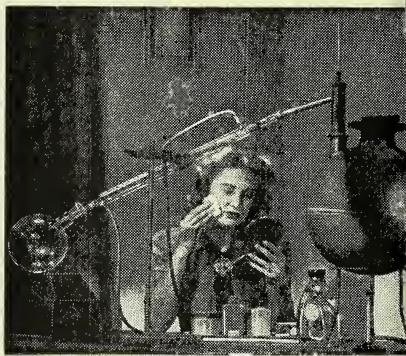
RETAIL **7^d** INC. TAX
Per packet of one
double-sided pad.

FROM ALL WHOLESALERS

Sole Proprietors:

ALFRED FRANKS & BARTLETT
COMPANY, LIMITED.

Audrey House, Ely Place, London, E.C.1



It's Illegal—

Maybe!—to use a distillation apparatus in one's bathroom without a very special permit. The Field organisation, however, with its scientific planning, permits the products of distillation to be used for all fine perfumery and aids to beauty anywhere. Can we offer you our technical help?

Field



PERFUME COMPOUND SPECIALISTS

FIELD & CO. (LABORATORY) LTD., ROBERT PLEASANT, ALPSTON, MIDLANDS

REVISED PRICES

A. & R. SCOTT LIMITED

IN consequence of the withdrawal of subsidy on and after 30 March, 1947, resulting in the increase in price of all Oat Products, prices for SCOTT'S M.O.F. (MIDLOTHIAN OAT FOOD) and INGLIS FOOD are revised in accordance with the following list:—

PRODUCT	PACK	EX-WHOLESALE PRICE		RETAIL SELLING PRICE
		1 CASE LOTS UPWARDS	RATE FOR LESS THAN 1 CASE LOTS	
M.O.F.	24 1-lb. tins per case	36/9 PER CASE	18/7½ PER DOZEN	2/0 PER 1-lb. tin
INGLIS FOOD	24 1-lb. tins per case	36/9 PER CASE	18/7½ PER DOZEN	2/0 PER 1-lb. tin

M.O.F.

(*Midlothian Oat Food*)

The Fortified Infant Cereal Food—normally started at 4-5 months as an introduction to mixed feeding and can be continued successfully through the toddler stage up to 5 years of age.

INGLIS FOOD

Prepared from partially pre-cooked Oat flour with added minerals and Vitamins B₁ and D—Inglis Food provides nourishment in an easily digestible and pleasant form and is therefore specially recommended for those suffering from Digestive Disorders and during convalescence when nourishment must be provided with the minimum of strain on the digestive system.

*A
Ladder stop
that is
NOT a
Nail Varnish*

HOSE GUARD

Hose Guard stops ladders instantly, yet the material remains soft, it does not harm the finest stocking or prevent it being invisibly mended.

Hose Guard is a chemical solution made specially for hosiery; has been acclaimed by many leading actresses and is nationally advertised.

Supplied in small bottles for the handbag to retail at 1/6d. Attractive display packs ready for your counter containing 2 dozen bottles.

Obtainable from

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SINCERITY
Soap Shampoos
are **ALWAYS**
in Demand

CASH IN on this continuous demand by stocking up NOW with the entire range of these profit-making 'SINCERITY' products.

New customers will come again—and bring other trade with them!

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*Cosmetized from an
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Formula into the
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Send for Shade Card and details of Trade terms.

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ALL ELASTIC SANITARY BELTS
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Containers of Metal
Glass, Aluminium
and Plastic

DUST COMBS

FOR IMMEDIATE DELIVERY

	Per Gross	P.T.	Total
3½" DUST COMBS	76/-	25/4	101/4
7½" DRESSING COMBS	61/-	20/4	81/4
6½" BARBER COMBS	55/4	18/6	73/10
6" DRESSING COMBS	37/-	12/4	49/4
TAIL COMBS	42/-	14/-	56/-

ALL ASSORTED COLOURS

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SAMUEL GORB & CO., Tel: TEMPLE
222 Shaftesbury Av., London, W.C.2. BAR 0964



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To begin with, there is the Scholl headquarters in London, with every technical resource for producing all types of foot appliances, chiropody instruments, equipment, and medical treatments for ailments of the feet.

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and to train staff in the scientific fitting of foot appliances.

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● There are over one hundred Scholl Foot Aids, all laboratory-tested, and each one designed to relieve a specific ailment. They sell by the million and never stop selling all the year round. Seven out of ten people who pass your shop are potential customers for Foot Aids.

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NOW SHELL RESEARCH tackles scientifically the problem of domestic insect pests and presents a new super Shelltox in readiness for what looks like being the biggest season ever for home insecticides.

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This new Shelltox deals with every insect pest that troubles the household—flies, bluebottles, mosquitoes, clothes moths, cockroaches, silver fish, fleas, bed bugs . . . In a carefully designed double-action Shelltox “knocks them down” and they stay down! . . . Harmless to fabrics and domestic pets . . . Stock up, display and recommend Shelltox this season—and watch business grow!

★ A brand-new type of sprayer—streamlined, powerful in action, non-dripping.

★ Striking window bills and showcards to hammer home the danger of flies and the value of Shelltox.



★ Country-wide advertising to make Shelltox a profitable “household word.”

★ A new design of pack and handy 16-oz. and 32-oz. sizes.

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SHELL CHEMICALS LIMITED (Distributors):

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Quinine *and Salts*

& ALL CINCHONA PREPARATIONS

Manufactured at our Garden City
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Back to Normal

As a result of progressive increases in production we are pleased to announce that all demands for FELSOL can now be met immediately, and that wartime restrictions on the supply of the large size packing are now removed.

All orders for both sizes, therefore, can now be executed speedily.

In making this announcement, long awaited by the profession, we once again extend our cordial thanks and appreciation to Pharmacists for their patience and sustained co-operation throughout the numerous difficulties of war and immediate postwar conditions.

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